aria

ACCESSORIES FOR VENTILATED ROOFS

ARIA

Thanks to modern research techniques and the most pioneering planning and production technologies, **Officine Rasera** has fine-tuned a line of products and solutions for **ventilating and protecting roofs**. **Aria** is an easy, practical and efficient system that provides the **maximum amount of ventilation for every type of roof** and all degrees of slope **while speeding up the installation phase to the utmost**.

The Aria system encourages the **natural convective motion** of the hot currents that form in the under-roof and ventilation chamber of the roof, allowing them to flow **from the inlet towards the outlet without being throttled in any way**.

The Aria system provides the following **advantages**:

· **Longer-lasting** roof cladding and increased frost resistance
· Improved **preservation** of the wooden, brickwork and hollow-core concrete structures
· Improved **thermal insulation** of the roof in both summer and winter
· **Lower energy consumption**
· **Prevents** the formation of **mould and condensation**
· Increased **stability** of the roof components
· **Lowers the temperature** in the under-roof by up to **6°C** compared to a roof without ventilation system

Air inflow
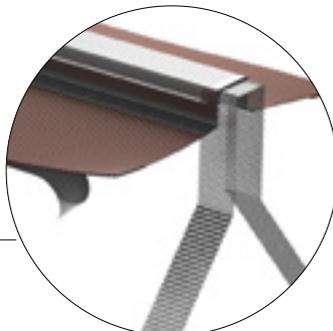Gutter grating or, alternatively, combs
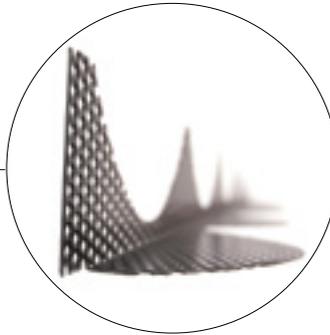
Air flows through
Universal batten

Air outflow
Ventilating under-ridge

Combined use of all three modules of the Aria system guarantees maximum roof ventilation.

BIRD BARRIER VENTILATION GRATING FOR CONCAVE AND FLAT TILES

Ventilation gratings allow a **generous amount of air to enter** the entire gutter line while **preventing birds from entering** the under-roof. **They also make concave and flat tiles easier** to install on the roof. They enable 50 mm **COPPIBLOC** initial hooks to be anchored for the first row of concave tiles. Use intermediate hooks for the following rows.
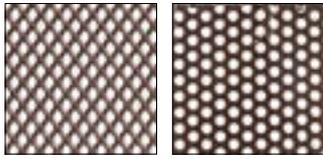
- Available in various sizes and types.
- Perfectly camouflaging.
- Durable.

Technical data sheets
. GUTTER GRATINGS

MATERIALS

Flattened
sheet metal

Perforated
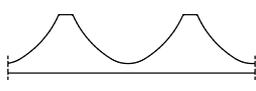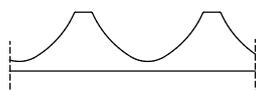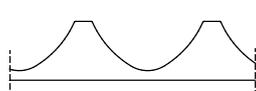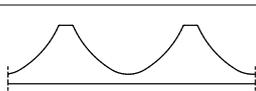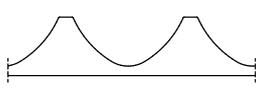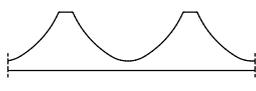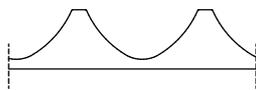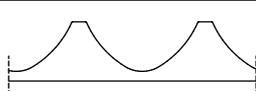sheet metal

RELATED PRODUCTS

"UNO" batten

Initial hooks

SPECIFICATION

Bird barrier ventilation grating:
Modular ventilation and bird barrier element for the gutter line of the roof. Made of perforated or flattened sheet metal coated with RAL 8017 brown polyester powder paint for outdoor environments. UV-resistant. Available in lengths from 70 to 100 cm. Shaped for all types of concave or plain roof tiles.

GRATINGS FOR CONCAVE TILES

MODEL	CODE	DESCRIPTION	MATERIAL	COLOUR	L cm	T mm	H mm	P mm
	GCM1515	Grating for Concave tiles H15	Perforated sheet metal	Brown RAL 8017	97.5	1.5	15	19.5
	GCM15P20	Grating for Concave tiles H15 P20	Perforated sheet metal	Brown RAL 8017	100	1.5	15	20
	GCM15P20ST	Grating for Concave tiles H15 P20	Flattened sheet metal	Brown RAL 8017	100	2	15	20
	GCM1515ST	Grating for Concave tiles H15	Flattened sheet metal	Brown RAL 8017	97.5	2	15	19.5
	GCM1515ST	Grating for Onduline tiles p190	Flattened sheet metal	Brown RAL 8017	97.5	2	15	19.5
	GCM1515ST	Grating for Coppo Veneto SML concave tiles	Flattened sheet metal	Brown RAL 8017	97.5	2	15	19.5
	GCM2015	Grating for Concave tiles H15	Perforated sheet metal	Brown RAL 8017	97.5	2	15	19.5
	GCM2015	Grating for FBM small concave tiles	Perforated sheet metal	Brown RAL 8017	97.5	2	15	19.5

PACKAGE: PACKS OF 10 PCS.
OTHER VERSIONS AVAILABLE ON REQUEST
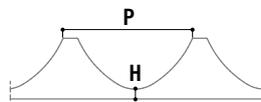
P

H

L=Length. **T**=Thickness. **H**=Height. **P**=Pitch

GUTTER GRATINGS

ACCESSORIES FOR VENTILATED ROOFS

GRATINGS FOR CONCAVE TILES

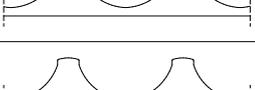| MODEL	CODE	DESCRIPTION	MATERIAL	COLOUR	L cm	T mm	H mm	P mm
	GCM2015	Grating for Coppo Veneto SML concave tiles	Perforated sheet metal	Brown RAL 8017	97.5	2	15	19.5
	GCM20P20	Grating for Concave tiles P20	Perforated sheet metal	Brown RAL 8017	100	2	15	20
	GCM1517ST	Grating for Concave tiles H17	Flattened sheet metal	Brown RAL 8017	92	2	17	23
	GCM1517ST	Grating for Coppo San Michele concave tiles	Flattened sheet metal	Brown RAL 8017	92	2	17	23
	GCM1517ST	Grating for Coppo Siciliano "Migliore" concave tiles	Flattened sheet metal	Brown RAL 8017	92	2	17	23
	GCM1517ST	Grating for FBM large concave tiles	Flattened sheet metal	Brown RAL 8017	92	2	17	23
	GCM2017	Grating for Concave tiles H17	Perforated sheet metal	Brown RAL 8017	92	2	17	23
	GCM2017	Grating for Coppo San Michele concave tiles	Perforated sheet metal	Brown RAL 8017	92	2	17	23
	GCM2017	Grating for Grande FBM concave tiles	Perforated sheet metal	Brown RAL 8017	92	2	17	23
	GCM2040	Grating for Concave tiles H40 on LIS25 batten	Perforated sheet metal	Brown RAL 8017	97.5	1.5	40	19.5
	GCM20P20H40	Grating for Concave tiles pitch 20 H40 on LIS25 batten	Perforated sheet metal	Brown RAL 8017	100	1.5	40	20
	GCM2055	Grating for Concave tiles H55 on "UNO" batten	Perforated sheet metal	Brown RAL 8017	97.5	1.5	55	19.5
	GCM2055P20 only to order minimum lot 100 pcs	Grating for Concave tiles H55 P20 on "UNO" batten	Perforated sheet metal	Brown RAL 8017	100	1.5	55	20
	GDCM	Diagonal grating for Concave tiles	Perforated sheet metal	Brown RAL 8017	83	2	-	-
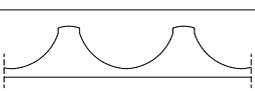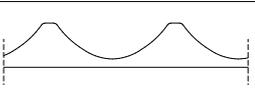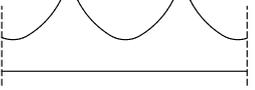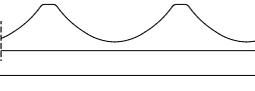
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OTHER VERSIONS AVAILABLE ON REQUEST

P

H

L=Length. **T**=Thickness. **H**=Height. **P**=Pitch

GUTTER GRATINGS

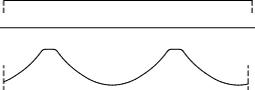**ACCESSORIES FOR VENTILATED ROOFS**
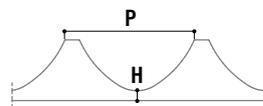
GRATINGS FOR BICOPPO DOUBLE CONCAVE/DOUBLE PIEMONTE CONCAVE TILES
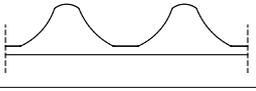
MODEL	CODE	DESCRIPTION	MATERIAL	COLOUR	L cm	T mm	H mm	P mm
	GBIC15	Grating for Double Concave tiles H15 on double wooden battening	Perforated sheet metal	Brown RAL 8017	82	1.5	15	20.5
	GBIC15ST	Grating for H15 double concave tiles on double wooden battening	Flattened sheet metal	Brown RAL 8017	82	1.5	15	20.5
	GBIC30	Grating for Double Concave tiles H30 on sill or sill with LIS10	Perforated sheet metal	Brown RAL 8017	82	1.5	30	20.5
	GBIC30ST	Grating for Double Concave tiles H30 on sill or sill with LIS10	Perforated sheet metal	Brown RAL 8017	82	1.5	30	20.5
	GBIC40	Grating for Double Concave tiles H40 on LIS25 batten	Perforated sheet metal	Brown RAL 8017	82	1.5	40	20.5
	GBIC40ST	Grating for H40 Double Concave tiles on LIS25 batten	Flattened sheet metal	Brown RAL 8017	82	1.5	40	20.5
	GBIC55	Grating for Double Concave tiles H55 on "UNO" batten	Perforated sheet metal	Brown RAL 8017	82	1.5	55	20.5
	GBIC55ST	Grating for H55 Double Concave tiles on "UNO batten"	Flattened sheet metal	Brown RAL 8017	82	1.5	55	20.5
	GBICP15ST	Grating for H15 Piemonte Double Concave tiles on double wooden battening	Flattened sheet metal	Brown RAL 8017	88	1.5	15	22
	GBICP30ST	Grating for Piemonte Double Concave tiles on LIS10 or sill	Flattened sheet metal	Brown RAL 8017	88	1.5	30	22
	GBICP40ST	Grating for H40 Piemonte Double Concave tiles on LIS25 batten	Flattened sheet metal	Brown RAL 8017	88	1.5	40	22
	GBICP55ST	Grating for H55 Piemonte Double Concave tiles on UNO batten	Flattened sheet metal	Brown RAL 8017	88	1.5	55	22
	GDCPSMLST	Grating for Piemonte Double Concave tiles	Flattened sheet metal	Brown RAL 8017	82	2	15	20.5
	GDCPSML40ST	Grating for Piemonte Double Concave tiles on LIS25	Flattened sheet metal	Brown RAL 8017	82	2	40	20.5
	GDCPSML55ST	Grating for Piemonte Double Concave tiles on "UNO" Batten	Flattened sheet metal	Brown RAL 8017	82	2	55	20.5
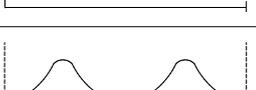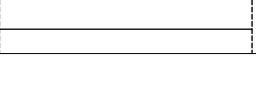
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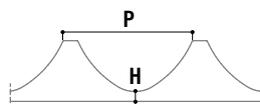
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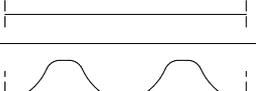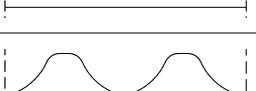
AIR INFLOW
GUTTER GRATINGS

ACCESSORIES FOR VENTILATED ROOFS

GRATINGS FOR COTTO TILES

MODEL	CODE	DESCRIPTION	MATERIAL	COLOUR	L cm	T mm	H mm	P mm
	GCEFBM	Grating for FBM Plain Roofing tiles or San Michele Plain Roofing tiles (if tile is cone-shaped at eaves)	Flattened sheet metal	Brown RAL 8017	71.5	2	20	34.5
	GCPFBMST	Grating for Coppo Più FBM concave tiles	Flattened sheet metal	Brown RAL 8017	95	1.5	20	23
	GCMVL	Grating for Coppo VL ICP concave tiles	Perforated sheet metal	Brown RAL 8017	90	1.5	17	22.5
	GCESML	Grating for Coppo Evo concave tiles on sill or LIS10	Flattened sheet metal	Brown RAL 8017	90.8	1.5	20	22.7
	GCESMLFO	Grating for Coppo Evo concave tiles on sill or LIS10	Perforated sheet metal	Brown RAL 8017	90.8	1.5	20	22.7
	GCESML40ST	Grating for H40 Coppo Evo concave tiles on LIS25	Flattened sheet metal	Brown RAL 8017	90.8	2	40	22.7
	GCESML55ST	Grating for H55 Coppo Evo concave tiles on "UNO" batten	Flattened sheet metal	Brown RAL 8017	90.8	2	55	22.7
	GTMUNIEXST	Grating for Unicoppo Extra Winter tiles on sill	Flattened sheet metal	Brown RAL 8017	83	1.5	17	20.7
	GTMUNIEXFO	Grating for Unicoppo Extra Winter tiles on sill	Perforated sheet metal	Brown RAL 8017	83	1.5	17	20.7
	GTMUNIEX40ST	Grating for H40 Unicoppo Extra Winter tiles on LIS25 batten	Flattened sheet metal	Brown RAL 8017	83	1.5	40	20.7
	GTMUNIEX55ST	Grating for Unicoppo Extra Winter tiles on "UNO" batten	Flattened sheet metal	Brown RAL 8017	83	1.5	55	20.7
	GCMDOCST	Grating for Coppo DOC concave tiles	Flattened sheet metal	Brown RAL 8017	84	1.5	27	21
	GTMFBMST	Grating for Tegola Portoghese FBM tiles	Flattened sheet metal	Brown RAL 8017	87	1.5	22	21.7
	GTMPICA	Grating for Tegola Portoghese PICA tiles Portoghese I.B.L. tiles	Flattened sheet metal	Brown RAL 8017	82	1.5	25	20.5
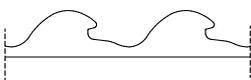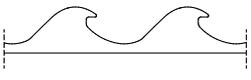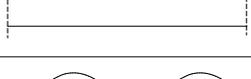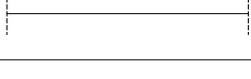
PACKAGE: PACKS OF 10 PCS.
OTHER VERSIONS AVAILABLE ON REQUEST
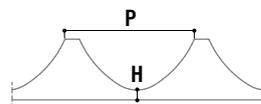
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GUTTER GRATINGS

GRATINGS FOR COTTO TILES

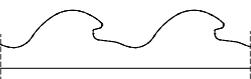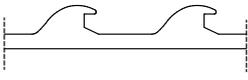| MODEL	CODE	DESCRIPTION	MATERIAL	COLOUR	L cm	T mm	H mm	P mm
	GTMPICA	Grating for Tegola Portoghese Rosata C.F. tiles	Flattened sheet metal	Brown RAL 8017	82	1.5	25	20.5
	GTMPORST	Grating for Tegola Portoghese tiles	Flattened sheet metal	Brown RAL 8017	100	1.5	19	20
	GTMPORST	Grating for Tegola Portoghese SML tiles	Flattened sheet metal	Brown RAL 8017	100	1.5	19	20
	GTMPORST	Grating for Port. Cotto Senese tiles	Flattened sheet metal	Brown RAL 8017	100	1.5	19	20
	GTMPOR40ST	Grating for Tegola Portoghese tiles on LIS25 batten	Flattened sheet metal	Brown RAL 8017	100	1.5	40	20
	GTMPOR55ST	Grating for Tegola Portoghese tiles on "UNO" batten	Flattened sheet metal	Brown RAL 8017	100	1.5	55	20
	GTMS10	Grating for Tegola S10 SML tiles	Flattened sheet metal	Brown RAL 8017	77	1.5	22	25.5
	GTMTESST	Grating for Tegola TE.SI. ICP Winter tiles	Flattened sheet metal	Brown RAL 8017	88	1.5	30	22
	GTMTESFO	Grating for Tegola TE.SI. ICP Winter tiles	Perforated sheet metal	Brown RAL 8017	88	1.5	30	22
	GTMTES50ST	Grating for Tegola TE.SI. ICP Winter tiles on LIS25 batten	Flattened sheet metal	Brown RAL 8017	88	1.5	50	22
	GTMTES60ST	Grating for Tegola TE.SI. ICP Winter tiles on "UNO" batten	Flattened sheet metal	Brown RAL 8017	88	1.5	60	22
	GCMSML	Grating for Coppo San Marco Novo Coppo PICA concave tiles	Flattened sheet metal	Brown RAL 8017	90	1.5	20	22.5
	GTFRCSST	Grating for Tegola Francigena tiles (Cotto Senese)	Flattened sheet metal	Brown RAL 8017	97.5	2	22	19.5
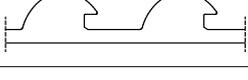
PACKAGE: PACKS OF 10 PCS.
OTHER VERSIONS AVAILABLE ON REQUEST

L=Length. **T**=Thickness. **H**=Height. **P**=Pitch

AIR INFLOW
GUTTER GRATINGS

ACCESSORIES FOR VENTILATED ROOFS

GRATINGS FOR COTTO TILES

MODEL	CODE	DESCRIPTION	MATERIAL	COLOUR	L cm	T mm	H mm	P mm
	GTMAR5060ST	Grating for 50x60 Marsigliese tiles usable in the following combinations: - **Vario5** on LIS25 (50mm side), on "UNO" batten (60mm side); - **Terreal** on LIS25 (I50mm side), on "UNO" batten (60mm side); - **Creaton** on LIS25 (60mm side); - **Erlus "gross falz"** on LIS25 (60mm side).	Flattened sheet metal	Brown RAL 8017	100	1.5	50/60	
	GTMAR4075ST	Grating for 40x75 Marsigliese tiles usable in the following combinations: - **Vario5** on sill (40mm side); - **Terreal** on sill (40mm side); - **Creaton** on sill (40mm side), on "UNO" batten (75mm side); - **Erlus "gross falz"** on sill (40mm side), on "UNO" batten (75mm side).	Flattened sheet metal	Brown RAL 8017	100	1.5	40/75	

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GUTTER GRATINGS

ACCESSORIES FOR VENTILATED ROOFS
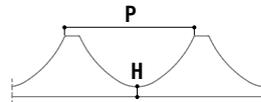
GUTTER GRATINGS FOR CEMENT TILES
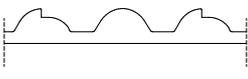
MODEL	CODE	DESCRIPTION	MATERIAL	COLOUR	L cm	T mm	H mm	P mm
	GTMSUPCED	Grating for Tegola Ceda Tegolaia Supercoppo tiles	Flattened sheet metal	Brown RAL 8017	90	1.5	22	30
	GTMSUPCEDFO	Grating for Tegola Ceda Tegolaia Supercoppo tiles	Perforated sheet metal	Brown RAL 8017	90	1.5	22	30
	GTMSUPCED50ST	Grating for Tegola Ceda Supercoppo Tegolaia H50 tiles on LIS25 batten	Flattened sheet metal	Brown RAL 8017	90	1.5	50	30
	GTMSUPCED65ST	Grating for Tegola Ceda or Supercoppo Tegolaia tiles on "UNO" batten	Flattened sheet metal	Brown RAL 8017	90	1.5	65	30
	GCM15F	Grating for Coppo di Francia cement tiles	Flattened sheet metal	Brown RAL 8017	90	1.5	20	30
	GCM15FFO	Grating for Coppo di Francia cement tiles	Perforated sheet metal	Brown RAL 8017	90	1.5	20	30
	GCM15F50	Grating for H50 Coppo di Francia cement tiles on LIS25 batten	Flattened sheet metal	Brown RAL 8017	90	1.5	50	30
	GCM15F50FO	Grating for H50 Coppo di Francia cement tiles on LIS25 batten	Perforated sheet metal	Brown RAL 8017	90	1.5	50	30
	GCM15F60ST	Grating for Coppo di Francia cement tiles on "UNO" batten	Flattened sheet metal	Brown RAL 8017	90	1.5	60	30
	GCM15G	Grating for Coppo di Grecia cement tiles	Flattened sheet metal	Brown RAL 8017	90	1.5	20	30
	GCM15GFO	Grating for Coppo di Grecia cement tiles	Perforated sheet metal	Brown RAL 8017	90	1.5	20	30
	GCM15G50	Grating for H50 Coppo di Grecia cement tiles on LIS25 batten	Flattened sheet metal	Brown RAL 8017	90	1.5	50	30
	GCM15G50FO	Grating for H50 Coppo di Grecia cement tiles on LIS25 batten	Perforated sheet metal	Brown RAL 8017	90	1.5	50	30
	GCM15G60ST	Grating for Coppo Grecia cement tiles on "UNO" batten	Flattened sheet metal	Brown RAL 8017	90	1.5	60	30
	GCMDO20ST	Grating for Tegola Dolomiten Tegolaia - H20	Flattened sheet metal	Brown RAL 8017	90	1.5	20	30
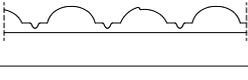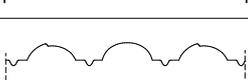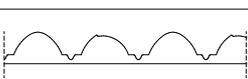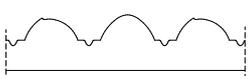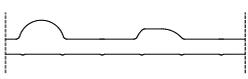
PACKAGE: PACKS OF 10 PCS.
OTHER VERSIONS AVAILABLE ON REQUEST

L=Length. **T**=Thickness. **H**=Height. **P**=Pitch

AIR INFLOW
GUTTER GRATINGS

ACCESSORIES FOR VENTILATED ROOFS
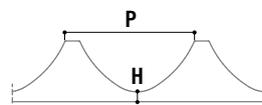
GUTTER GRATINGS FOR SHEET METAL ROOFING
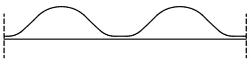
MODEL	CODE	DESCRIPTION	MATERIAL	COLOUR	L cm	T mm	H mm	P mm
	GLMLANST	Grating for Landini Onda Band 200.5 slabs	Flattened sheet metal	Brown RAL 8017	80	1.5	5	20.1
	GLMTEGFBR	Grating for Edilfibro Tegolit 200 slabs	Flattened sheet metal	Brown RAL 8017	100	1.5	5	20
	GLMGUTST	Grating for Gutta slabs	Flattened sheet metal	Brown RAL 8017	96	2	18	24
	GCM1518ST	Grating for Onduline	Flattened sheet metal	Brown RAL 8017	89.2	2	18	22.3
	GLMALU only to order minimum lot 100 pcs	Grating for Alubel 28 corrugated sheet	Flattened sheet metal	Brown RAL 8017	89.5	1.5	25.8	11.2
	GLMTEGFBR23530	Grating for Edilfibro Tegolit 235 slabs H 35mm	Flattened sheet metal	Brown RAL 8017	98.1	1.5	35	23.2
	GCM30P24ST	Grating for Onduline P24	Flattened sheet metal	Brown RAL 8017	96	2	30	24
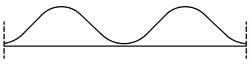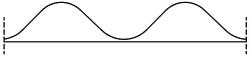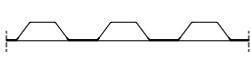
PACKAGE: PACKS OF 10 PCS.
OTHER VERSIONS AVAILABLE ON REQUEST
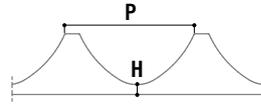
L=Length. **T**=Thickness. **H**=Height. **P**=Pitch

OMNIBLOCK: VENTILATING AND BIRD BARRIER COMBS

OMNIBLOCK is the comb for **gutter lines and valleys** that features **two staggered rows of perforated teeth**.

· The combs provide great **resistance against intruding birds and prevent insects from entering**.
· They allow a **generous amount of air to enter** and improve the ventilating action thanks to the slotted holes in each tooth.
· The combs are made of **polypropylene. They are UV-resistant and able to withstand thermal shock**.
· Thanks to their flexible teeth, the combs **can adapt to all types of concave or flat tiles**.
· Available **with and without batten**.

DETAIL

OMNI BLOCK
OMNIBLOCK is an
OFFICINE RASERA trademark

SPECIFICATION

Omniblock:
Modular ventilating and bird barrier element for the gutter line of the roof. Made of brick red or dark brown coloured polypropylene, with a double row of perforated teeth. Length 100 cm, height 7 or 11 cm. Can be adapted to all types of concave or plain tiles.

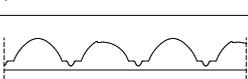| MODEL	CODE	DESCRIPTION	MATERIAL	COLOUR	L cm	combs H1 cm	batten H2 cm	pack. pieces
	OB70	Omniblock 7	Polypropylene	Brick red	100	7	-	100
	OB70TM	Omniblock 7	Polypropylene	Dark brown	100	7	-	100
	OB70LI	Omniblock 7 with batten	Polypropylene	Brick red	100	7	2.5	35
	OB110	Omniblock 11	Polypropylene	Brick red	100	11	-	60
	OB110TM	Omniblock 11	Polypropylene	Dark brown	100	11	-	60
	OB110LI	Omniblock 11 with batten	Polypropylene	Brick red	100	11	2.5	25
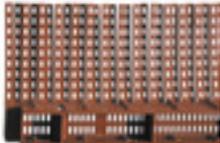
Technical data sheet
OMNIBLOCK
with batten

Technical data sheet
OMNIBLOCK
without batten

H1
H2

L=Length. **H1**=Comb height. **H2**=Batten height

ACCESSORIES FOR VENTILATED ROOFS

BIRD BARRIER COMBS

Conventional bird barrier combs that ensure under-roof ventilation while preventing birds from entering. Thanks to their flexible teeth, they can adapt to all types of concave or flat tiles.

· Available in **pre-painted sheet metal** or **copper**.

MATERIALS

Prepainted
sheet metal
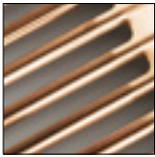
Copper

**Technical data sheet
CONVENTIONAL COMBS**

SPECIFICATION

Bird barrier combs:
Modular ventilation and bird barrier element for the gutter line of the roof. Made of brown prepainted sheet metal or copper. Length 100 cm, thickness 0.5 mm. Can be adapted to all types of concave or flat tiles.

MODEL	CODE	DESCRIPTION	MATERIAL	COLOUR	L cm	H cm	T mm	pack. pieces
	PEM	Bird barrier combs	Prepainted sheet metal	Brown RAL 8017	100	10	0.5	50
	PER	Bird barrier combs	Copper	-	100	10	0.5	50
	PEM6	Bird barrier combs	Prepainted sheet metal	Brown RAL 8017	100	6	0.5	50
	PER6	Bird barrier combs	Copper	-	100	6	0.5	50
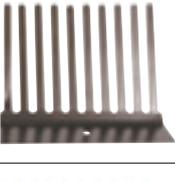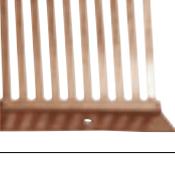
L=Length. **H**=Comb height. **T**=Thickness

PERFORATED BANDS

ACCESSORIES FOR VENTILATED ROOFS

PERFORATED BIRD BARRIER BAND

Perforated bird barrier bands with a generous ventilating capacity. Ideal for **finishing gutter lines with ventilation chambers**.

· Available in different heights and materials.
· Prevents birds and insects from entering.

MATERIALS

Copper

Painted aluminium
Dark brown

Painted aluminium
Brick red

Prepainted
sheet metal
Dark brown

**Technical data sheet
PERFORATED BAND**

DETAIL

pitch 9 — ∅5 — 4.5

H
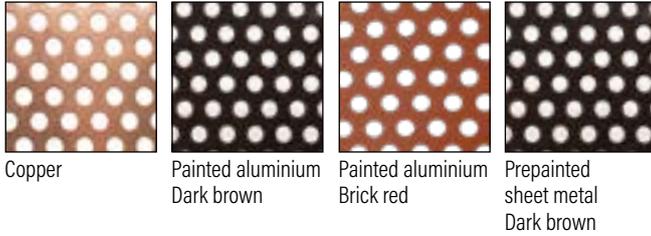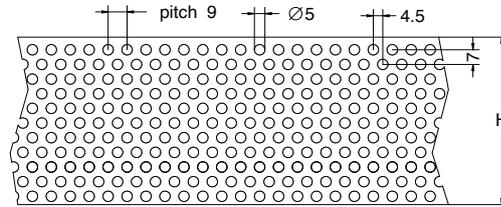
SPECIFICATION

Perforated bird barrier band:
Continuous perforated band made of copper, painted aluminium or pre-painted sheet metal for ventilation purposes and to ward off insects and birds in ventilated roofs.
Heights: 5, 8, 10, 15, 20, 25 cm, thickness 0.6 mm. Can be adapted to all types of concave or flat tiles.
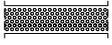
MODEL	CODE	DESCRIPTION	MATERIAL	COLOUR	H mm	T mm	pack. meters
	RP50	Perforated bird barrier band	Copper	-	50	0.6	25
	RP80	Perforated bird barrier band	Copper	-	80	0.6	25
	RP100	Perforated bird barrier band	Copper	-	100	0.6	25
	RP150	Perforated bird barrier band	Copper	-	150	0.6	25
	RP200	Perforated bird barrier band	Copper	-	200	0.6	25
	RP250	Perforated bird barrier band	Copper	-	250	0.6	25
	RPA80	Perforated bird barrier band	Painted aluminium	Brick red	80	0.6	25
	RPA80TM	Perforated bird barrier band	Painted aluminium	Dark brown	80	0.6	25
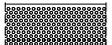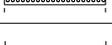
H=Comb height. **T**=Thickness

PERFORATED BANDS

ACCESSORIES FOR VENTILATED ROOFS
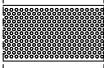
MODEL	CODE	DESCRIPTION	MATERIAL	COLOUR	H mm	T mm	pack. meters
	RPA100	Perforated bird barrier band	Painted aluminium	Brick red	100	0.6	25
	RPA100TM	Perforated bird barrier band	Painted aluminium	Dark brown	100	0.6	25
	RPA150	Perforated bird barrier band	Painted aluminium	Brick red	150	0.6	25
	RPA150TM	Perforated bird barrier band	Painted aluminium	Dark brown	150	0.6	25
	RPA200	Perforated bird barrier band	Painted aluminium	Brick red	200	0.6	25
	RPA200TM	Perforated bird barrier band	Painted aluminium	Dark brown	200	0.6	25
	RPA250	Perforated bird barrier band	Painted aluminium	Brick red	250	0.6	25
	RPA250TM	Perforated bird barrier band	Painted aluminium	Dark brown	250	0.6	25
	RPM100	Perforated bird barrier band	Prepainted sheet metal	Dark brown	100	0.6	25
	RPM150	Perforated bird barrier band	Prepainted sheet metal	Dark brown	150	0.6	25
	RPM200	Perforated bird barrier band	Prepainted sheet metal	Dark brown	200	0.6	25
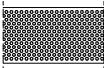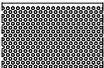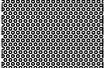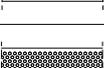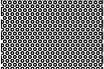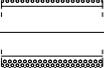
H=Comb height. **T**=Thickness

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ACCESSORIES FOR VENTILATED ROOFS

INSULATION BRACKET
FOR THE GUTTER LINE AND RIDGE

ISOSTOP consists of two angular elements with 4x11.5 cm profile that allow **air to pass through the ventilated panels,** thereby preventing water and condensation from remaining there. Provides a solid **base for fastening ventilation materials** on the **gutter line and ridge line**.

· **Adjustable in height** from 5 to 20 cm.

MATERIALS

Flattened
sheet metal

RELATED PRODUCTS
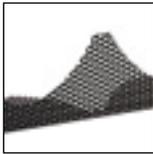
Gratings

Ridges

Technical data sheet
ISOSTOP

Instructions
ISOSTOP

SPECIFICATION

Isostop:
Element adjustable in height from 5 to 20 cm. Made of flattened perforated sheet metal coated with brown RAL 8017 polyester powder paint for outdoor use. UV-resistant. "C" shaped. Formed by 2 "L" shaped angular pieces with 11.5x4 cm profile fastened together by 3 galvanized self-threading screws.

11.5 cm

11.5 cm

4 cm

Max H 20 cm
Min H 5 cm

4 cm
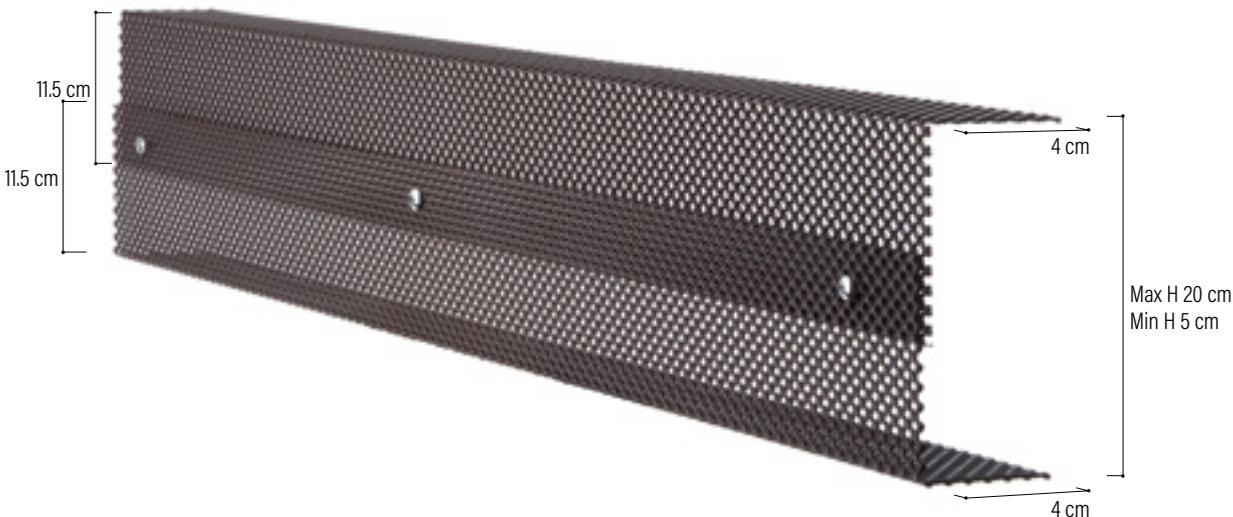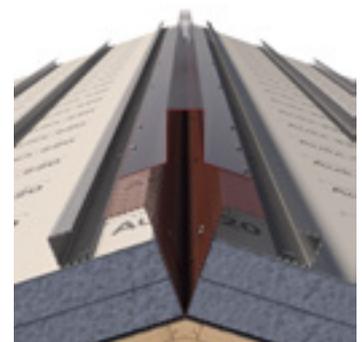
CODE	DESCRIPTION	MATERIAL	COLOUR	L cm	T mm
ISO100	Bracket for holding insulation in place and for fixing ventilation elements	Painted flattened sheet metal	Brown RAL 8017	100	2

**SUPPLIED WITH 3 GALVANIZED SELF-THREADING
Ø 6.3x13 mm SCREWS PER LINEAR METER.**

L=Length. **T**=Thickness

ISOSTOP
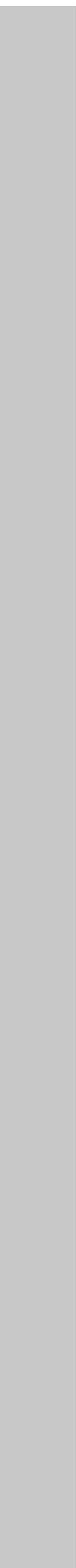
UNIVERSAL VENTILATING AND FASTENING BATTEN

"UNO is a **ventilating and fastening batten for** fitting **concave tiles, flat tiles and accessories**. It can be **applied to pitches, gutter lines, ridge lines, valleys and hips**, on roofs in hollow-core concrete, wood, corrugated slabs and insulating panels.

· Provides **ventilation under concave or plain tiles** with an air flow cross-section of over 200 cm²/m².
· Substitutes classic wooden battening (vertical and horizontal) with a solution installed in a **single direction** (horizontal).
· Allows concave tiles (with or without tooth) and flat tiles to be installed using various anchoring and fastening methods (hooks or screws).
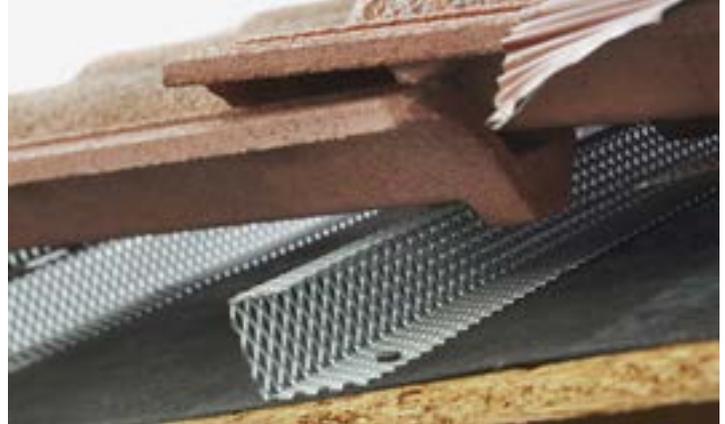
MATERIALS

Galvanized flattened sheet metal

RELATED PRODUCTS
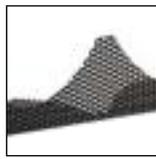
Gratings
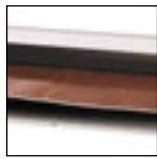
Under-ridge ventilation
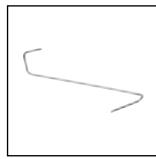
COPPIBLOC

SPECIFICATION

Universal batten:
Multifunctional "U" shaped element in galvanized flattened sheet metal. Used for anchoring concave tiles or plain tiles. Allows air to flow under the roofing, along the pitch from the eaves to the ridge line. Dimensions 2.5x4.5x4 cm, length 200 cm.

**Technical data sheet
"UNO" BATTEN**

Uno

"UNO is an OFFICINE RASERA trademark

B1

H

B
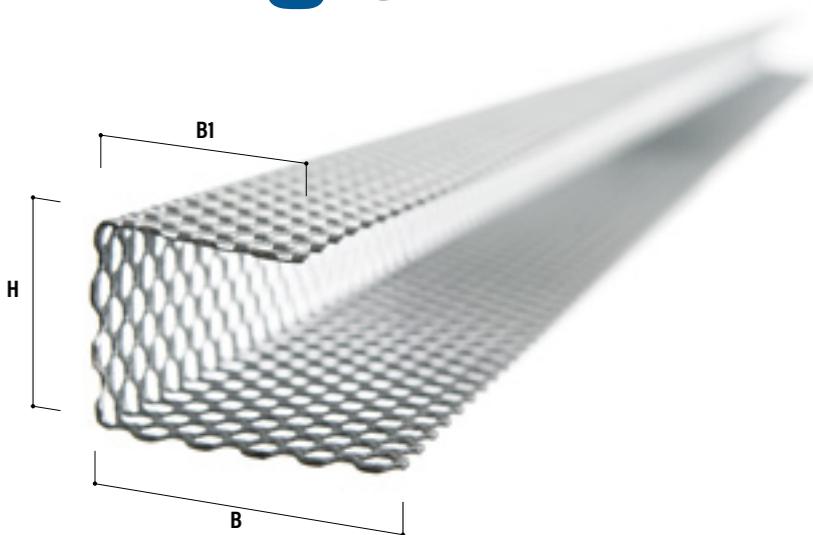
The **"UNO" batten** has been subjected to **two years of tests** at the **Teknehub laboratory of the University of Ferrara**, performed by professors and researchers from the Department of Architecture. The studies conducted during the tests highlighted the **superior characteristics of the "ARIA" SYSTEM as to ventilation performance and consequent energy savings.**
The **"UNO" batten ensures a higher airflow rate than the minimum values required by standard UNI 9460**

READ MORE

BATTENS

CODE	DESCRIPTION	MATERIAL	L cm	B1 cm	B cm	H cm	T mm
UNOZ200	"UNO batten for flat and concave tiles	Galvanized flattened sheet metal	200	2.5	4.5	4	2

Quantity per square meter of roof:
2.7 meters of battens using concave tiles;
2.8 meters of battens using flat tiles in cotto;
3 meters of battens using flat tiles in cement;

L=Length. **H**=Height. **T**=Thickness

PACKS CONTAINING 126 PCS

BATTENS

ANGULAR BATTEN
FOR ANCHORING TILES

The batten **anchors the tiles** to hollow-core concrete or wooden roofs, preventing them from slipping even on strongly sloping surfaces.

MATERIALS
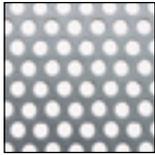
Technical data sheet
ANGULAR BATTEN

Perforated
sheet metal

H
WA

WA=Width A
L=Length. **H**=Height. **T**=Thickness

SPECIFICATION

Angular batten:
"L" shaped element measuring 2x1 cm, length 200 cm, in galvanized perforated sheet metal for anchoring tiles.

CODE	DESCRIPTION	MATERIAL	WA mm	L cm	H cm	T mm
ANG1020	Angular batten for anchoring tiles (min 250 pcs) *	Galvanized perforated sheet metal	2	200	1	1

FASTENING AND VENTILATING BATTEN
FOR CONCAVE AND PLAIN TILES

Fastening and ventilating batten for **anchoring concave and plain tiles**. Can be applied to pitches, valleys and hips, on hollow-core concrete and wooden roofs.

• Guarantees **under-tile ventilation**.

MATERIALS
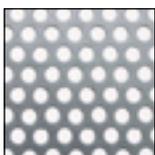
Technical data sheet
LIS25 and LIS10

Perforated
sheet metal

H
WB
WA
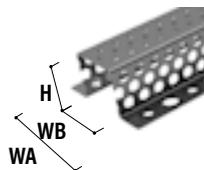
WA=Width A . **WB**=Width B
L=Length. **H**=Height. **T**=Thickness
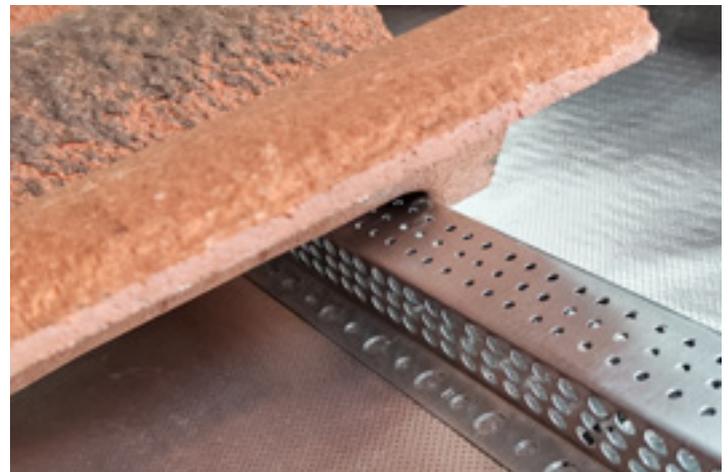
SPECIFICATION

Fastening batten:
200 cm in length, made of perforated zinc-magnesium sheet metal. Prevents slipping and provides for ventilation under the roofing surface.

CODE	DESCRIPTION	MATERIAL	WA mm	WB cm	L cm	H cm	T mm
LIS25	Fastening and ventilating batten (min 250 pcs) *	Perforated zinc-magnesium sheet metal	6.1	3.1	200	2.5	0.6
LIS10	Fastening and ventilating batten (min 250 pcs) *	Perforated zinc-magnesium sheet metal	5.7	2.2	200	1	0.6
LIS25CF25	Fastening and ventilating batten (pack. 25 pcs - min 10 packages)*	Perforated zinc-magnesium sheet metal	6.1	3.1	200	2.5	0.6
LIS10CF25	Fastening and ventilating batten (pack. 25 pcs - min 10 packages)*	Perforated zinc-magnesium sheet metal	5.7	2.2	200	1	0.6

* **Quantity per square meter of roof:**
2.7 meters of battens using concave tiles;
2.8 meters of battens using flat tiles in cotto;
3 meters of battens using flat tiles in cement;

PACKAGES CONTAINING 250 PCS

ACCESSORIES FOR VENTILATED ROOFS

UNDER-RIDGE VENTILATION

TURBOAIRYFLY is an advanced **ridge ventilation element**.

It is a **universal module for concave and flat tiles** of all shapes and sizes on **horizontal and sloping ridges** (diagonal). Simple **and quick to install**.
· Features an **air outlet cross section of over 400 cm²/m** to guarantee **maximum ventilation**.
· It has **adhesive "wings"** made of pleated and painted aluminium that adhere perfectly to the roof, **preventing water driven by the wind from infiltrating** into the under-roof layer.
· It consists of two separate parts (support and cover) that **allow the height to be adjusted** so as to **adapt to different types of concave and plain tiles**.
· It makes cutting and positioning the roofing components easier, particularly on hipped roofs, since the cover is applied during a successive phase.

RELATED PRODUCTS

Copfly

"UNO" batten
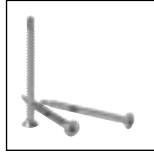
Self-perforating screws

Technical data sheet TURBOAIRY FLY

Instructions TURBOAIRY FLY

SPECIFICATION

TurboAiryFly:
Ventilation module for the horizontal or sloping (diagonal) ridge line in ventilated roofs (air outlet over 400 cm²/m) in galvanized sheet metal coated with RAL 8017 brown polyester powder paint for outdoor use. UV-resistant, length 100 cm. Formed by two elements (support and cover) to allow for height adjustments from 70 mm to 120 mm. The cover has two pleated aluminium bands painted brick red, with 50mm butyl adhesive.

TURBOAIRY *Fly* ®
TURBOAIRFLY is an OFFICINE RASERA trademark

with 50mm BUTYL ADHESIVE

"TURBOAIRYFLY" ensures a far superior air flow than the minimum values required by standard **UNI 9460.**

VENTILATING UNDER-RIDGES

ACCESSORIES FOR VENTILATED ROOFS

TURBOAIRYFLY

Air outflow
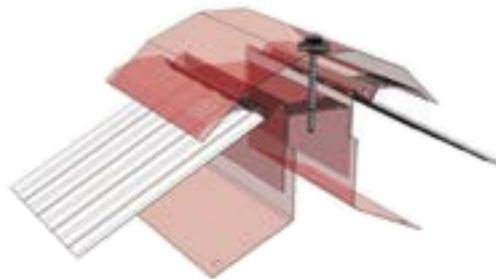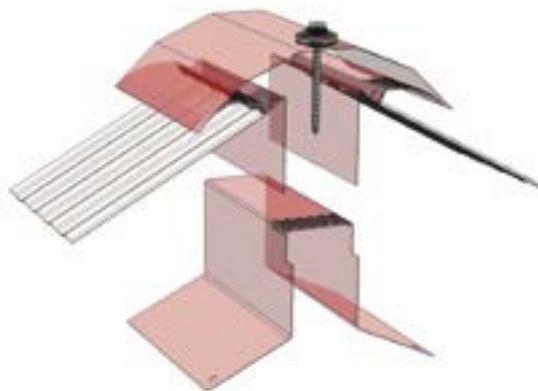
**DIAGRAM OF AIR OUTFLOW
IN WOODEN ROOFS**
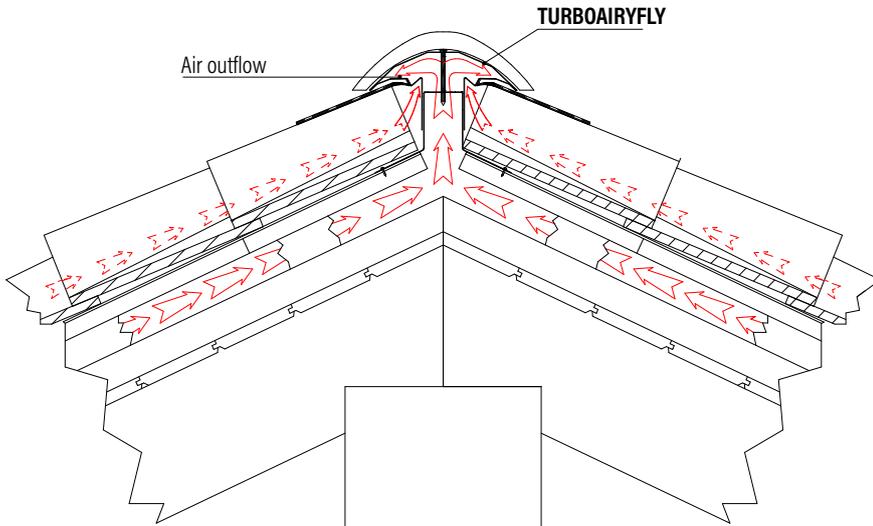
TURBOAIRYFLY
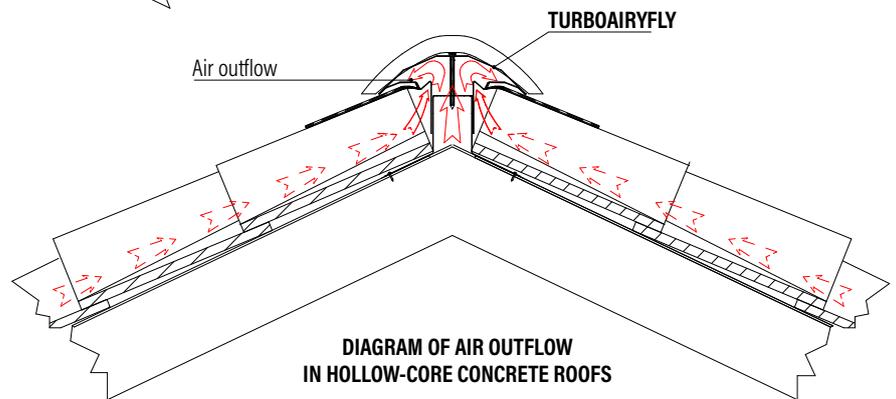
Air outflow

**DIAGRAM OF AIR OUTFLOW
IN HOLLOW-CORE CONCRETE ROOFS**

VENTILATING
UNDER-RIDGES

CODE	DESCRIPTION	MATERIAL	COLOUR	L cm	pack. pieces
TFLYM	TURBOAIRYFLY	Painted galvanized sheet metal	Brown RAL 8017	100	18

**SUPPLIED WITH 4 (FOUR) Ø 4.8x80 mm SELF-PERFORATING SCREWS WITH
STEEL/RUBBER SEALING WASHER TO FASTEN COVER TO SUPPORT.**

L=Length

END COVER
FOR TURBOAIRYFLY

CODE	DESCRIPTION	MATERIAL	COLOUR
COPFLY	Cover for the end of TURBOAIRYFLY	Painted galvanized sheet metal	Brown RAL 8017

ACCESSORIES FOR VENTILATED ROOFS

UNDER-RIDGE VENTILATION

TURBOAIRY is a **ventilation module for horizontal and sloping** (diagonals) ridges. Available in a **single piece** 100 cm in length for quick and simple installation.

· **It fits easily into the next element** thanks to the 2 cm overlap.
· **Prevents water from infiltrating** into the ventilation chamber.
· **It blends in with any kind of roof**, with both new and old concave tiles, flat cotto and cement tiles, corrugated slabs, etc.
· The **air outlet cross-section measures over 400 cm2/m** and guarantees the **maximum degree of ventilation**.
· **Ideal in wooden roofs** with double ventilation.
· Long lasting and **maintenance-free**.
· Simple and **rapid to install**.

RELATED PRODUCTS

Cop Turbo

"UNO" batten

Self-perforating screws

TURBOAIRY is an
OFFICINE RASERA trademark

Technical data sheet
TURBOAIRY

Instructions
TURBOAIRY

SPECIFICATION

TurboAiry:
Ventilation module for the horizontal or sloping (diagonal) ridge line in ventilated roofs (air outlet over 400 cm²/m) in a single element 100 cm in length. Available in galvanized sheet metal coated with UV-resistant RAL 8017 brown polyester powder paint for outdoor use and in pre-painted sheet metal.

TURBOAIRY

Air outflow
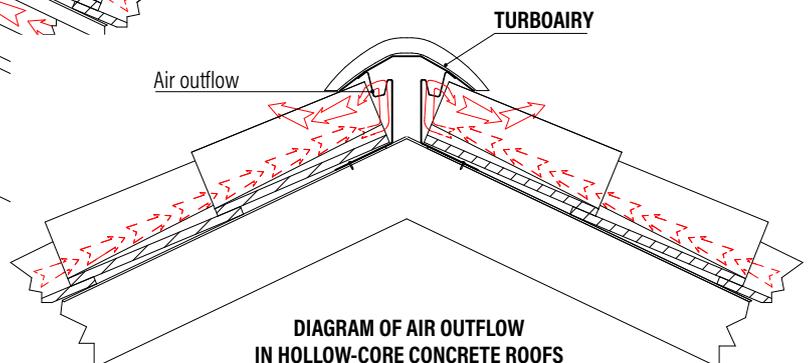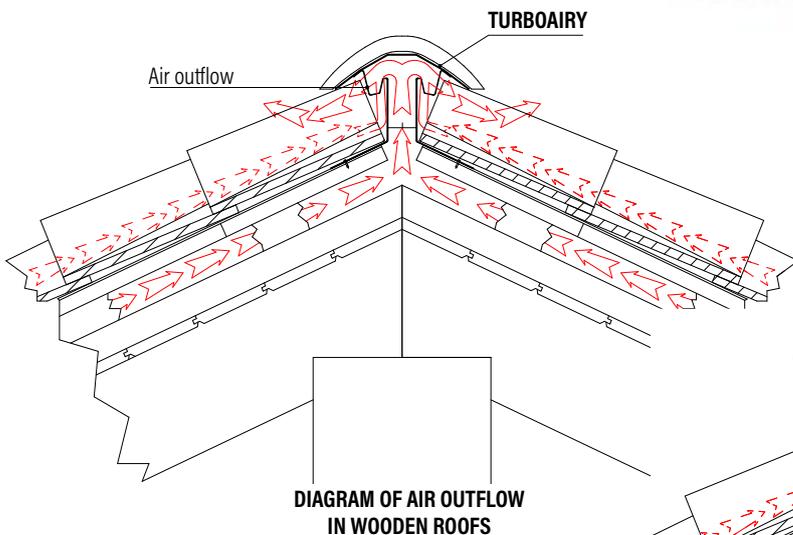
TURBOAIRY

"TURBOAIRY" ensures a far superior air flow than the minimum values required by **standard UNI 9460.**

TURBOAIRY

Air outflow

DIAGRAM OF AIR OUTFLOW IN WOODEN ROOFS

DIAGRAM OF AIR OUTFLOW IN HOLLOW-CORE CONCRETE ROOFS

www.rasera.com
v 4.1.0.1 - November 2024
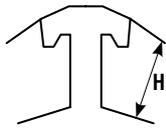
H79 - for the following types of concave and flat tiles:

Tegola Portoghese tiles (Cotto Senese)
Tegola Portoghese tiles
Wierer cement tiles

Coppo di Grecia tiles
Coppo di Francia tiles
CEDA "Coppo Tiepolo" tiles
All CEDA tiles

Tegola Portoghese Tognana tiles
Tegolaia Supercoppo tiles
Portoghese Ceprano tiles
 (if ridge is straight)

CODE	DESCRIPTION	MATERIAL	COLOUR	H mm	L cm	PACK. PIECES
T79M	TURBOAIRY	Painted galvanized sheet metal	Brown RAL 8017	**79**	100	25
T79PM	TURBOAIRY	Prepainted sheet metal	Brown RAL 8017	**79**	100	25

H=opening for inserting concave or plain tiles . **L**=Length
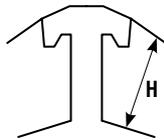
H91 - for the following types of concave and flat tiles:

Single Concave tiles (Cotto Roofing Tile)
Coppo Max Castiglion Fiorentino

Te.Si for horizontal ridges
Tegola Portoghese Briziarelli tiles - horizontal ridge

CODE	DESCRIPTION	MATERIAL	COLOUR	H mm	L cm	PACK. PIECES
T91M	TURBOAIRY	Painted galvanized sheet metal	Brown RAL 8017	**91**	100	20
T91PM	TURBOAIRY	Prepainted sheet metal	Brown RAL 8017	**91**	100	20

H=opening for inserting concave or plain tiles . **L**=Length
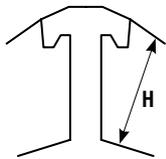
H110 - for the following types of concave and flat tiles:

Concave tiles
Francigena tiles (Cotto Senese)
Roman-style (Concave tiles+Plain Roofing Tiles) or Tuscan roof
Coppo Briziarelli Più Concave tiles
Unicoppo (ICP)

Bicoppo - Te.Si for diagonal ridges
Tile S10 SML - Coppo San Marco concave tiles
Tegola Portoghese Briziarelli tiles with diagonals
Temax (ICP)

CODE	DESCRIPTION	MATERIAL	COLOUR	H mm	L cm	PACK. PIECES
T110M	TURBOAIRY	Painted galvanized sheet metal	Brown RAL 8017	**110**	100	20
T110PM	TURBOAIRY	Prepainted sheet metal	Brown RAL 8017	**110**	100	20

H=opening for inserting concave or plain tiles . **L**=Length

END COVER
FOR TURBOAIRY

CODE	DESCRIPTION	MATERIAL	COLOUR
COPTURBO	Cover for the end of TURBOAIRY	Painted galvanized sheet metal	Brown RAL 8017

VENTILATING UNDER-RIDGES

ACCESSORIES FOR VENTILATED ROOFS

UNDER-RIDGE VENTILATION

COLMOWINGS is a **ridge ventilation module**.
It consists of a galvanized or stainless steel perforated sheet metal element fitted with special "wings" made of pleated and painted aluminium with 50mm butyl adhesive, allowing it to **adhere perfectly to the roofing, thereby preventing water,** blown by the wind, **from infiltrating** into the under-roof layer.

· **Universally** suitable for concave and plain tiles of all shapes and sizes, **for horizontal and sloping** (diagonal) roof ridges.
· **Simple and quick to install**.
· Over **500 cm2/m air outlet cross-section**.
· Guarantees **the maximum degree of ventilation** and maintains its **functional characteristics over time**.
· Special bendable supports 23 cm in height allow the elements to be adjusted as required **and to adapt to the different types of tiles and insulation**.
· 100 cm in length.

RELATED PRODUCTS

"UNO" batten
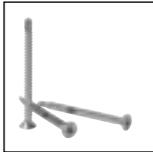
Self-perforating screws

COLMO WINGS

COLMOWINGS is an OFFICINE RASERA trademark

SPECIFICATION

Colmowings:
Ventilation module for the horizontal or sloping (diagonal) ridge line in ventilated roofs (air outlet over 500 cm²/m) in stainless steel sheet 100 cm in length. Consists of two elements (Colmowings and adjustable bearing bracket) to allow for height adjustments. Colmowings has two aluminium bands, pleated and painted brick red, black, speckled pink, with 50 mm butyl adhesive.

Technical data sheet
COLMOWINGS

Instructions
COLMOWINGS

VENTILATING
UNDER-RIDGES

with 50mm BUTYL ADHESIVE

"COLMOWINGS" has been subjected to **two years of tests** at the **Teknehub laboratory of the University of Ferrara**, performed by professors and researchers from the Department of Architecture. The studies conducted during the tests highlighted the **superior characteristics of the "ARIA" SYSTEM as to ventilation performance and consequent energy savings**.

"COLMOWINGS" guarantees a far **superior air flow than the minimum values required by standard UNI 9460.**

READ MORE

Bracket adjustable in height

Air outflow

COLMOWINGS

**DIAGRAM OF AIR OUTFLOW
IN WOODEN ROOFS**

COLMOWINGS

Air outflow

**DIAGRAM OF AIR OUTFLOW
IN HOLLOW-CORE CONCRETE ROOFS**
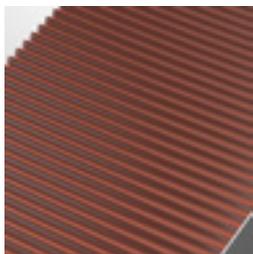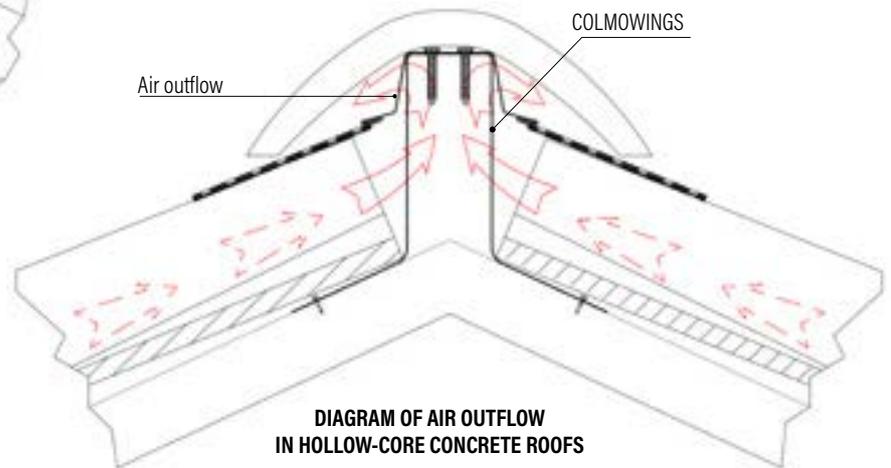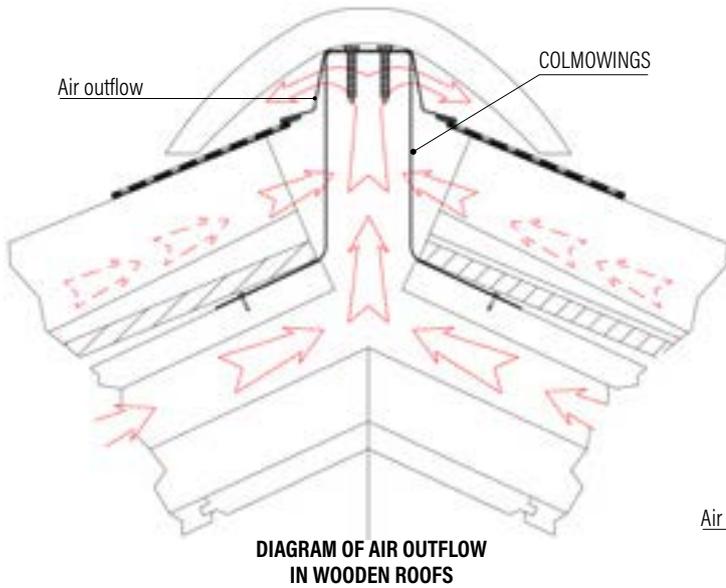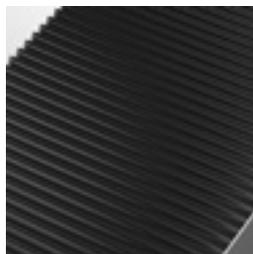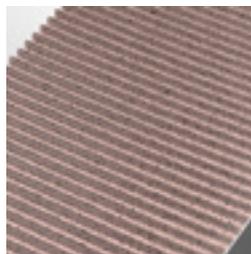
Brick Red

Black

Speckled pink

CODE	DESCRIPTION	MATERIAL	COLOUR	BAND	L cm	T mm	PACK. PIECES
CWINXRO	COLMOWINGS	Stainless steel	-	Speckled pink	100	0.7	10
CWINXRM	COLMOWINGS	Stainless steel	-	Brick Red	100	0.7	10
CWINXNE	COLMOWINGS	Stainless steel	-	Black	100	0.7	10
SUPW230X	Bearing bracket	Stainless steel	-	-	23	0.8	-
SUPW380X	Bearing bracket	Stainless steel	-	-	38	0.8	-

**SUPPLIED WITH 4 (FOUR) Ø 6.3x13 mm SELF-THREADING SCREWS PER LINEAR
METER FOR FASTENING COLMOWINGS TO THE BEARING BRACKETS.**

L=Length. **T**=Thickness

As many bearing brackets as there are linear meters of roof ridge must be used
to install the elements, with the addition of an initial bearing bracket

ACCESSORIES FOR VENTILATED ROOFS

VENTILATING RIDGE
SINGLE-PITCH ROOFS

TURBOFLAT is a **ventilation module for single-pitch roofs** in a single piece, 100 cm in length.
Enables **ventilation in pitches against vertical walls**.
It has a wing in pleated, painted aluminium with butyl adhesive that **adheres perfectly to the roof, preventing water** driven by the wind **from infiltrating into the under-roof**.

TURBOFLAT

TURBOFLAT is an
OFFICINE RASERA trademark

"TURBOFLAT"
ensures a superior airflow than the minimum values required by standard UNI 9460

SPECIFICATION

TURBOFLAT:
Ventilation module for the horizontal ridge line in single-pitch roofs. Consists of a single element 100 cm in length made of galvanized sheet metal coated with RAL 8017 brown polyester powder paint for outdoor use. UV-resistant. TURBOFLAT has a pleated aluminium band painted brick red with 50mm butyl adhesive.
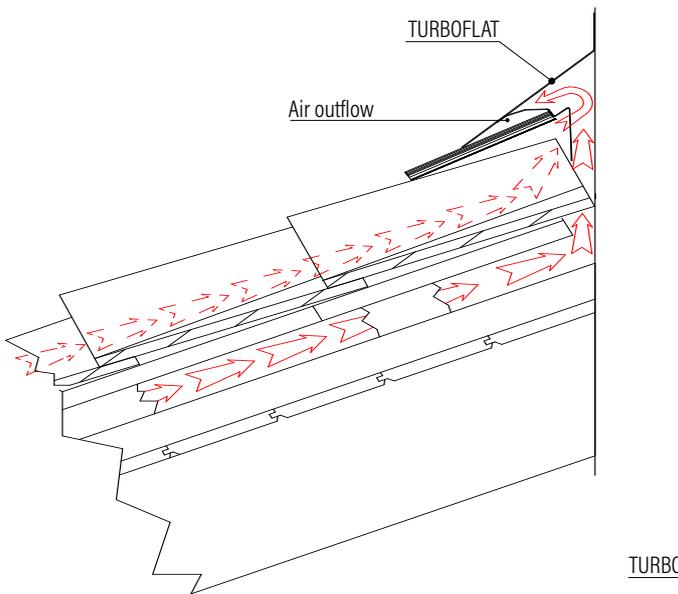
TURBOFLAT

Air outflow

with 50mm BUTYL ADHESIVE

DIAGRAM OF AIR OUTFLOW IN WOODEN ROOFS
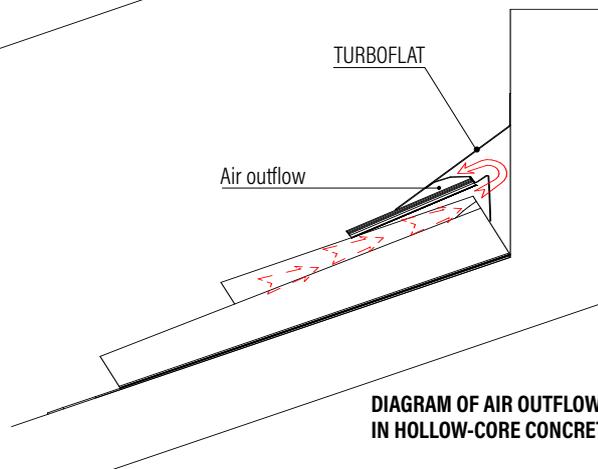
TURBOFLAT

Air outflow
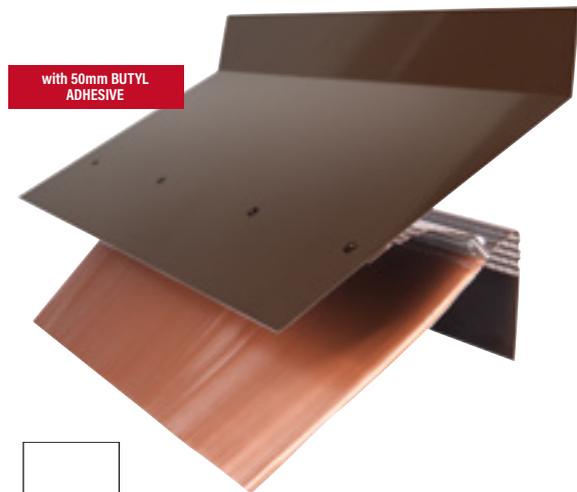
Technical data sheet TURBOFLAT

Instructions TURBOFLAT

DIAGRAM OF AIR OUTFLOW IN HOLLOW-CORE CONCRETE ROOFS

CODE	DESCRIPTION	MATERIAL	COLOUR	L cm
TUF	TURBOFLAT	Painted galvanized sheet metal	Brown RAL 8017	100

L=Length

SELF-PERFORATING SCREWS

Self-perforating screw for fixing concave and ridge tiles.

RELATED PRODUCTS
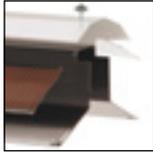
TurboAiryFly

TurboAiry
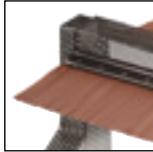
Colmowings

CODE	DESCRIPTION	MATERIAL	Ø mm	L mm
VIAF	Ø 4.8x70 mm self-perforating screw	Galvanized steel	4.8	70
VIAFIX6,3X13	Ø 6.3x13 mm Win screw	Galvanized steel	6.3	13
RO16X6,7XFLY	ø 16x6.7 mm galvanized steel/rubber washer	Galvanized steel + rubber	16	-

2.5 screws are required for concave tile roofs.
3 screws are required for plain tile roofs.

Ø=Diameter . **L**=Length

VENTILATING
UNDER-RIDGES

ACCESSORIES FOR VENTILATED ROOFS

UNDER-RIDGE VENTILATION

MICROTECMIX is a band made of pleated aluminium in conjunction with **breathable polypropylene fabric** for **microventilation in the roof ridge**.

· It is **universally** suitable for concave and plain tiles of all shapes and sizes, for horizontal and sloping (diagonal) roof ridges.
· It is fixed to a wooden batten (5x4 cm cross-section), supported every 80 cm or so by an adjustable batten holder in galvanized steel.
· After this, it is shaped and made to **adhere to the roof covering** by means of **bands of pleated painted aluminium with butyl adhesive**.

RELATED PRODUCTS

Technical data sheet **MICROTEC MIX**

Instructions **MICROTEC MIX**

Batten holders

MICRO TEC MIX

MICROTECMIX is an OFFICINE RASERA trademark

SPECIFICATION

MicrotecMix
Band in pleated aluminium and breathable polypropylene (PP) fabric for microventilation in the roof ridge, with strips of butyl adhesive.

MODEL	CODE	DESCRIPTION	MATERIAL	COLOUR	L1 m	L2 mm	PACKAGE
	MT310X	Under-ridge MICROTECMIX310 with two strips of **butyl adhesive width 20 mm**	Painted pleated aluminium with polypropylene fabric	Brick red	5	310	Box 4 rolls
	MT310XTM	Under-ridge MICROTECMIX310 with two strips of **butyl adhesive width 20 mm**	Painted pleated aluminium with polypropylene fabric	Dark brown	5	310	Box 4 rolls
	MT310XNE	Under-ridge MICROTECMIX310 with two strips of **butyl adhesive width 20 mm**	Painted pleated aluminium with polypropylene fabric	Black	5	310	Box 4 rolls
	MT360X	Under-ridge MICROTECMIX360 with two strips of **butyl adhesive width 20 mm**	Painted pleated aluminium with polypropylene fabric	Brick red	5	360	Box 4 rolls
	MT360XTM	Under-ridge MICROTECMIX360 with two strips of **butyl adhesive width 20 mm**	Painted pleated aluminium with polypropylene fabric	Dark brown	5	360	Box 4 rolls
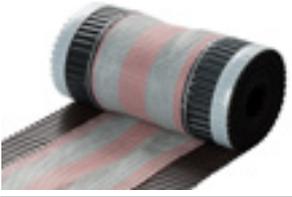
L1=Length. **L2**=Width

VENTILATING UNDER-RIDGES

ACCESSORIES FOR VENTILATED ROOFS

MODEL	CODE	DESCRIPTION	MATERIAL	COLOUR	L1 m	L2 mm	PACKAGE
	MT400X	Under-ridge MICROTECMIX400 with two strips of **butyl adhesive width 20 mm**	Painted pleated aluminium with polypropylene fabric	Brick red	5	400	Box 4 rolls
	MT400XTM	Under-ridge MICROTECMIX400 with two strips of **butyl adhesive width 20 mm**	Painted pleated aluminium with polypropylene fabric	Dark brown	5	400	Box 4 rolls
	MT400XNE	Under-ridge MICROTECMIX400 with two strips of **butyl adhesive width 20 mm**	Painted pleated aluminium with polypropylene fabric	Black	5	400	Box 4 rolls
	MT400X40	Under-ridge MICROTECMIX400 with two strips of **butyl adhesive width 40 mm**	Painted pleated aluminium with polypropylene fabric	Brick red	5	400	Box 4 rolls
	MT400XTM40	Under-ridge MICROTECMIX400 with two strips of **butyl adhesive width 40 mm**	Painted pleated aluminium with polypropylene fabric	Dark brown	5	400	Box 4 rolls
	MT400XNE40	Under-ridge MICROTECMIX400 with two strips of **butyl adhesive width 40 mm**	Painted pleated aluminium with polypropylene fabric	Black	5	400	Box 4 rolls
	MT400X25R	Under-ridge **reinforced in the central part with adhesive netting, for extra strength in the fixing point** MICROTECMIX400 with two strips of **butyl adhesive width 25mm**	Painted pleated aluminium with polypropylene fabric	Brick red	5	400	Box 4 rolls
	MT400XTM25R	Under-ridge **reinforced in the central part with adhesive netting, for extra strength in the fixing point** MICROTECMIX400 with two strips of **butyl adhesive width 25 mm**	Painted pleated aluminium with polypropylene fabric	Dark brown	5	400	Box 4 rolls
	MT400XNE25R	Under-ridge **reinforced in the central part with adhesive netting, for extra strength in the fixing point** MICROTECMIX400 with two strips of **butyl adhesive width 25 mm**	Painted pleated aluminium with polypropylene fabric	Black	5	400	Box 4 rolls

L=Length. **L2**=Width

ACCESSORIES FOR VENTILATED ROOFS

UNDER-RIDGE VENTILATION

**MICROTEC** is a pleated, perforated, painted aluminium band **for microventilation in the roof ridge**.

• It is **universally** suitable for concave and plain tiles of all shapes and sizes, for horizontal and sloping (diagonal) roof ridges.
• Provides **ridge ventilation** thanks to an **air outlet cross-section of over 160 cm2/m.**
• It is fixed to a wooden batten (5x4 cm cross-section), supported every 80 cm or so by an adjustable batten holder in galvanized steel.
• After this, it is shaped and made to **adhere to the roof covering** by means of **bands of pleated, perforated, painted aluminium with butyl adhesive**.

RELATED PRODUCTS

Batten holders

Technical data sheet MICROTEC

Instructions MICROTEC

MICROTEC

MICROTEC is an OFFICINE RASERA trademark

SPECIFICATION

Microtec
Pleated, perforated, painted aluminium band for microventilation in the roof ridge, with strips of butyl adhesive. 160 cm²/m air outlet cross-section.

MODEL	CODE	DESCRIPTION	MATERIAL	COLOUR	L1 m	L2 mm	PACKAGE
	MT400	Under-ridge MICROTEC400 with two strips of **butyl adhesive width 20 mm**	Pleated, perforated painted aluminium	Brick red	5	400	Box 4 rolls
	MT400TM	Under-ridge MICROTEC400 with two strips of **butyl adhesive width 20 mm**	Pleated, perforated painted aluminium	Dark brown	5	400	Box 4 rolls
	MT40050	Under-ridge MICROTEC400/50 with two strips of **butyl adhesive width 50 mm**	Pleated, perforated painted aluminium	Brick red	5	400	Box 4 rolls
	MT40050TM	Under-ridge MICROTEC400/50 with two strips of **butyl adhesive width 50 mm**	Pleated, perforated painted aluminium	Dark brown	5	400	Box 4 rolls
	MT40050NE	Under-ridge MICROTEC400/50 with two strips of **butyl adhesive width 50 mm**	Pleated, perforated painted aluminium	Black	5	400	Box 4 rolls
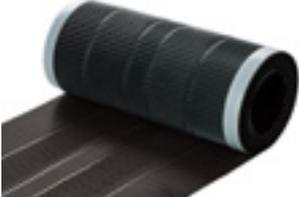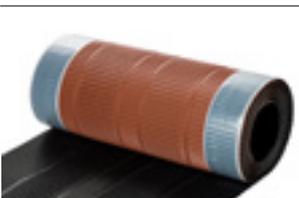
L1=Length. **L2**=Width

VENTILATING UNDER-RIDGES

ACCESSORIES FOR VENTILATED ROOFS

BATTEN HOLDER

Universal batten holder in galvanized steel for ridge and/or hip, **for wooden battens 50 mm in width.**

MATERIALS

Galvanized steel

RELATED PRODUCTS

MicrotecMix   Microtec

SPECIFICATION

Batten holder:
Element made of galvanized sheet metal, shaped to house a wooden batten and fix it in the upper part. The lower part has two perforated, bendable bands for fixing to the ridge line at the base of the roof.

MODEL	CODE	DESCRIPTION	L mm	H mm	PACKAGE PCS.	Technical data sheet
	POLI50	Universal batten holder in galvanized steel	50	195	50	
	POLI50C	Nail-shaft batten holder in galvanized steel	50	260	100	
	POLI50R	Adjustable batten holder in galvanized steel	50	180/225	100	

Recommended quantity 1 piece every 80 cm.

L=Length. **H**=Height

VENTILATING
UNDER-RIDGES

ACCESSORIES FOR VENTILATED ROOFS

TILE HOOKS

"S" shaped **COPPIBLOC tile hooks** designed to **fasten concave tiles** together, guaranteeing **stability in any condition**. COPPIBLOC tile hooks **are used instead of mortar and polyurethane foam** for fixing roof coverings.

Available in the following types of material:
- Burnished stainless steel flat wire
- 10x0.8 mm section T.M. prepainted band
- 11x0.8 mm section R.S. band prepainted RAL 3009
- 12x1 mm section copper band
- 8x0.8 mm section copper-plated stainless steel band

For concave tiles: 14 pcs / m²
For Tegolaia "vecchia" cement tiles 9/10 pcs / m²

COPPIBLOC
COPPIBLOC is an
OFFICINE RASERA trademark

SPECIFICATION

Coppibloc hook:
Element made of prepainted sheet metal, stainless steel or copper, bent into a hook or double hook ("S" shaped) and used for anchoring concave tiles.

MODEL	CODE	DESCRIPTION	MATERIAL	A mm	B mm	PACK. pcs
	GA6016PI	60x16 hook	Burnished stainless steel flat wire	60	16	1000
	GA6020PI	60x20 hook	Burnished stainless steel flat wire	60	20	1000
	GA7516PI	75x16 hook	Burnished stainless steel flat wire	75	16	1000
	GA7520PI	75x20 hook	Burnished stainless steel flat wire	75	20	1000
	GA9016PI	90x16 hook	Burnished stainless steel flat wire	90	16	1000
	GA9020PI	90x20 hook	Burnished stainless steel flat wire	90	20	1000
	GA9022PI	90x22 hook	Burnished stainless steel flat wire	90	22	1000
	GA9025PI	90x25 hook	Burnished stainless steel flat wire	90	25	700
	GA10516PI*	105x16 hook	Burnished stainless steel flat wire	105	16	1000
	GA10520PI*	105x20 hook	Burnished stainless steel flat wire	105	20	800
	GA10525PI*	105x25 hook	Burnished stainless steel flat wire	105	25	600
	GA12016PI	120x16 hook	Burnished stainless steel flat wire	120	16	700
	GA12020PI	120x20 hook	Burnished stainless steel flat wire	120	20	700
	GA12025PI	120x25 hook	Burnished stainless steel flat wire	120	25	500

MODEL	CODE	DESCRIPTION	MATERIAL	A mm	B mm	PACK. pcs
	GA9016TM	90x16 hook	Dark brown band 10x0.8 mm	90	16	1000
	GA9020TM	90x20 hook	Dark brown band 10x0.8 mm	90	20	1000
	GA9025TM	90x25 hook	Dark brown band 10x0.8 mm	90	25	700

SUPPLIED IN BAGS CONTAINING 50/100 PCS

* On request
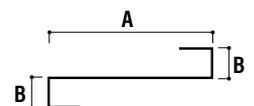
Technical data sheet
STAINLESS STEEL FLAT WIRE HOOKS

Technical data sheet
DARK BROWN HOOKS

A
B
B

COPPIBLOC

MODEL	CODE	DESCRIPTION	MATERIAL	A mm	B mm	PACK. pcs
	GA6016RS	60x16 hook	Siena Red band RAL 3009 11x0.8 mm	60	16	1500
	GA6020RS	60x20 hook	Siena Red band RAL 3009 11x0.8 mm	60	20	1300
	GA6025RS	60x25 hook	Siena Red band RAL 3009 11x0.8 mm	60	25	1000
	GA7516RS*	75x16 hook	Siena Red band RAL 3009 11x0.8 mm	75	16	1000
	GA8016RS	80x16 hook	Siena Red band RAL 3009 11x0.8 mm	80	16	1000
	GA9016RS	90x16 hook	Siena Red band RAL 3009 11x0.8 mm	90	16	1000
	GA9020RS	90x20 hook	Siena Red band RAL 3009 11x0.8 mm	90	20	800
	GA9025RS	90x25 hook	Siena Red band RAL 3009 11x0.8 mm	90	25	700
	GA10516RS*	105x16 hook	Siena Red band RAL 3009 11x0.8 mm	105	16	800
	GA10520RS*	105x20 hook	Siena Red band RAL 3009 11x0.8 mm	105	20	800
	GA12016RS	120x16 hook	Siena Red band RAL 3009 11x0.8 mm	120	16	700
	GA12020RS	120x20 hook	Siena Red band RAL 3009 11x0.8 mm	120	20	700
	GA12025RS	120x25 hook	Siena Red band RAL 3009 11x0.8 mm	120	25	500

MODEL	CODE	DESCRIPTION	MATERIAL	A mm	B mm	PACK. pcs
	GA9016RA	90x16 hook	Copper band 11x1 mm	90	16	1000
	GA9020RA	90x20 hook	Copper band 11x1 mm	90	20	800
	GA9025RA	90x25 hook	Copper band 11x1 mm	90	25	700

MODEL	CODE	DESCRIPTION	MATERIAL	A mm	B mm	PACK. pcs
	GA9016IR8	90x16 hook	Copper-plated stainless steel band 8x0.8 mm	90	16	1000
	GA9020IR8	90x20 hook	Copper-plated stainless steel band 8x0.8 mm	90	20	1000
	GA9022IR8	90x22 hook	Copper-plated stainless steel band 8x0.8 mm	90	22	1000
	GA9025IR8	90x25 hook	Copper-plated stainless steel band 8x0.8 mm	90	25	1000

COPPIBLOC

SUPPLIED IN BAGS CONTAINING 50/100 PCS

* On request
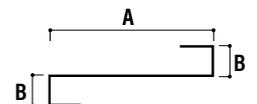
Technical data sheet
SIENA RED HOOKS

Technical data sheet
COPPER HOOKS

Technical data sheet
COPPER PLATED STAINLESS STEEL HOOKS

ACCESSORIES FOR VENTILATED ROOFS

INITIAL AND INTERMEDIATE HOOKS

Initial hooks for anchoring concave tiles along the gutter line and at intervals on pitches. The intermediate hooks prevent the thrusting action created by the roof covering from bearing down on the first row of tiles in the gutter line. COPPIBLOC tile hooks **are used instead of mortar and polyurethane foam** for fixing roof coverings. Quantity applicable in relation to the pitch slope.

Available in the following types of material:
· Burnished stainless steel flat wire
· 10x0.8 mm cross-section T.M. prepainted band
· 11x0.8 mm section R.S. band prepainted RAL 3009
· 12x1 mm cross-section copper band
· 10x0.8 mm cross-section copper-plated stainless steel band

A row of hooks every 2/3 m of pitch depending on slope

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OFFICINE RASERA trademark

SPECIFICATION

Initial and intermediate hooks:
Element made of prepainted sheet metal, stainless steel or copper, bent into a hook shape for anchoring concave tiles along the gutter line and/or at intervals on pitches.

CODE	DESCRIPTION	MATERIAL	A mm	B mm	PACK. pcs
			Technical data sheet **CURVED INITIAL HOOK**		
GA28016CPI	280x16 curved hook	Burnished stainless steel flat wire	280	16	200
GA28020CPI	280x20 curved hook	Burnished stainless steel flat wire	280	20	200
GA28025CPI	280x25 curved hook	Burnished stainless steel flat wire	280	25	200

CODE	DESCRIPTION	MATERIAL	A mm	B mm	PACK. pcs
			Technical data sheet **FLAT WIRE INITIAL HOOK**		
GA28016PI	280x16 hook	Burnished stainless steel flat wire	280	16	200
GA28020PI	280x20 hook	Burnished stainless steel flat wire	280	20	200
GA28025PI	280x25 hook	Burnished stainless steel flat wire	280	25	200

CODE	DESCRIPTION	MATERIAL	A mm	B mm	PACK. pcs
			Technical data sheet **DARK BROWN INITIAL HOOK**		
GA20016TM	200x16 hook	Dark brown band 10x0.8 mm	200	16	500
GA20020TM	200x20 hook	Dark brown band 10x0.8 mm	200	20	500
GA20025TM	200x25 hook	Dark brown band 10x0.8 mm	200	25	500
GA28016TM	280x16 hook	Dark brown band 10x0.8 mm	280	16	500
GA28020TM	280x20 hook	Dark brown band 10x0.8 mm	280	20	500
GA28025TM	280x25 hook	Dark brown band 10x0.8 mm	280	25	400

A
B

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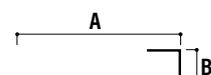
CODE	DESCRIPTION	MATERIAL	A mm	B mm	PACK. pcs

Technical data sheet
SIENA RED INITIAL HOOK

CODE	DESCRIPTION	MATERIAL	A mm	B mm	PACK. pcs
GA15016RS	150x16 hook	Siena Red band RAL 3009 11x0.8 mm	150	16	500
GA15020RS	150x20 hook	Siena Red band RAL 3009 11x0.8 mm	150	20	500
GA20016RS	200x16 hook	Siena Red band RAL 3009 11x0.8 mm	200	16	500
GA20020RS	200x20 hook	Siena Red band RAL 3009 11x0.8 mm	200	20	500
GA20025RS	200x25 hook	Siena Red band RAL 3009 11x0.8 mm	200	25	500
GA28016RS	280x16 hook	Siena Red band RAL 3009 11x0.8 mm	280	16	500
GA28020RS	280x20 hook	Siena Red band RAL 3009 11x0.8 mm	280	20	500
GA28025RS	280x25 hook	Siena Red band RAL 3009 11x0.8 mm	280	25	400

Technical data sheet
COPPER INITIAL HOOK

CODE	DESCRIPTION	MATERIAL	A mm	B mm	PACK. pcs
GA20016RA	200x16 hook	Copper band 12x1 mm	200	16	500
GA20020RA	200x20 hook	Copper band 12x1 mm	200	20	500
GA28016RA	280x16 hook	Copper band 12x1 mm	280	16	500
GA28020RA	280x20 hook	Copper band 12x1 mm	280	20	500
GA28025RA	280x25 hook	Copper band 12x1 mm	280	25	400

Technical data sheet
COPPER PLATED STAINLESS STEEL INITIAL HOOK

CODE	DESCRIPTION	MATERIAL	A mm	B mm	PACK. pcs
GA20016IR	200x16 hook	Copper-plated stainless steel band 10x0.8 mm	200	16	500
GA20020IR	200x20 hook	Copper-plated stainless steel band 10x0.8 mm	200	20	500
GA20025IR	200x25 hook	Copper-plated stainless steel band 10x0.8 mm	200	25	500
GA28016IR	280x16 hook	Copper-plated stainless steel band 10x0.8 mm	280	16	500
GA28020IR	280x20 hook	Copper-plated stainless steel band 10x0.8 mm	280	20	500
GA28025IR	280x25 hook	Copper-plated stainless steel band 10x0.8 mm	280	25	500

COPPIBLOC

A

B

ACCESSORIES FOR VENTILATED ROOFS
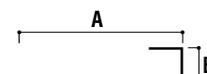
INITIAL HOOKS

Initial hooks for anchoring concave tiles to the gutter grating. To anchor the following rows of concave tiles, it is advisable to apply intermediate hooks at regular intervals, depending on the pitch slope.

Available in the following types of material:
Burnished stainless steel flat wire

RELATED PRODUCTS

Gratings

COPPiBLOC
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OFFICINE RASERA trademark

SPECIFICATION

Initial hook:
Element made of stainless steel, bent into a hook shape for anchoring concave tiles along the gutter line.

MODEL	CODE	DESCRIPTION	MATERIAL	A mm	B mm	PACK. pcs
	GA5016PI	50x16 hook	Burnished stainless steel flat wire	50	16	500
	GA5020PI	50x20 hook	Burnished stainless steel flat wire	50	20	500
	GA5025PI	50x25 hook	Burnished stainless steel flat wire	50	25	500

SUPPLIED IN BAGS CONTAINING 50/100 PCS

Technical data sheet
FLAT WIRE INITIAL HOOKS

PIEMONTE HOOK

MODEL	CODE	DESCRIPTION	MATERIAL	A mm	B mm	PACK. pcs
	GA19080IR	Piemonte hook	Copper-plated stainless steel band 20x1.2 mm	190	80	100
	GA24580TM	Piemonte hook	Prepainted band Dark brown 25x1.8 mm	245	80	100

Technical data sheet
COPPER PLATED STAINLESS STEEL PIEMONTE HOOKS

Technical data sheet
PIEMONTE HOOKS IN PREPAINTED BAND

A
B

COPPIBLOC

COPPIBLOC

ACCESSORIES FOR VENTILATED ROOFS
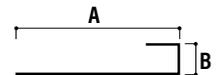
BATTEN-TYPE CONCAVE TILE HOOKS
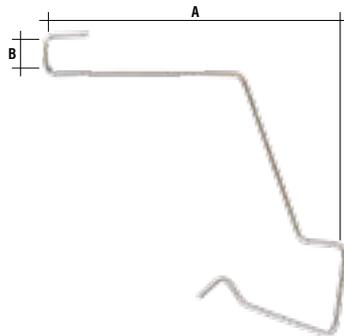
Technical data sheet
WOODEN BATTEN HOOKS

Instructions
WOODEN BATTEN HOOKS

CODE	DESCRIPTION	MATERIAL	A mm	B mm	PACK. pcs
GALISPI	4x5 cm batten-type bracing hook for concave tiles without hole	Burnished stainless steel flat wire	145	18	200
GALISPI4X6	4x6 cm batten-type bracing hook for concave tiles without hole	Burnished stainless steel flat wire	145	18	200
GALISPI3X5	3x5 cm batten-type bracing hook for concave tiles without hole	Burnished stainless steel flat wire	145	18	200
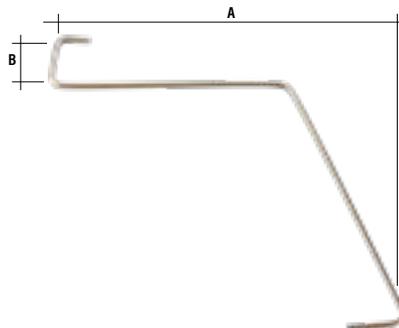
Technical data sheet
METAL BATTEN HOOKS

Instructions
METAL BATTEN HOOKS

CODE	DESCRIPTION	MATERIAL	A mm	B mm	PACK. pcs
GALISMETPI	Metal batten-type bracing hook for concave tiles without hole	Burnished stainless steel flat wire	140	20	200
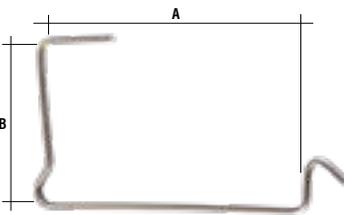
Technical data sheet
WOODEN BATTEN CHANNEL TILE HOOKS

Instructions
WOODEN BATTEN CHANNEL TILE HOOKS

CODE	DESCRIPTION	MATERIAL	A mm	B mm	PACK. pcs
GACOLI	4x5 cm batten-type bracing concave tile-retaining hook	Burnished stainless steel flat wire	88	50	200

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ACCESSORIES FOR VENTILATED ROOFS

HOOKS FOR CONCAVE TILES WITH HOLE

Wire hooks for anchoring concave tiles with hole. Completely concealed by the tiles themselves. COPPIBLOC tile hooks **are used instead of mortar and polyurethane foam** for fixing roof coverings.

Available in the following types of material:
- Ø 2.5 mm cross-section stainless steel wire
- Ø 2.5 mm section galvanized wire

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Technical data sheet
UNDER-HOOK

CODE	DESCRIPTION	MATERIAL	L mm	PACK. pcs	pcs/m²
GA134FZ	Under-hook	Ø 2.5 mm galvanized wire	134	1,000 pcs.	15
GA134FI		Ø 2.5 mm stainless steel wire			

Technical data sheet
OVER-HOOK

CODE	DESCRIPTION	MATERIAL	L mm	PACK. pcs	pcs/m²
GA131FZ	Over-hook	Ø 2.5 mm galvanized wire	131	1,000 pcs.	15
GA131FI		Ø 2.5 mm stainless steel wire			

Technical data sheet
HOOK FOR DOUBLE CONCAVE TILES L125

CODE	DESCRIPTION	MATERIAL	L mm	PACK. pcs	pcs/m²
GA125FZ	Hook for Double Concave tiles L125	Ø 2.5 mm galvanized wire	125	1,500 pcs.	15
GA125FI		Ø 2.5 mm stainless steel wire			

SUPPLIED IN BAGS CONTAINING 50 pcs.

L=Length

COPPIBLOC

COPPIBLOC

HOOK FOR CONCAVE TILES WITHOUT HOLE, ON BICOPPO DOUBLE CONCAVE TILES

Wire hooks for preventing Bicoppo double concave tiles **from slipping off the roof**.

Technical data sheet
BICOPPO DOUBLE CONCAVE TILE WITHOUT HOLE

CODE	DESCRIPTION	MATERIAL	L mm	PACK. pcs	pcs/m²
GABI190FZ	Retainer for concave tiles without hole	Ø 2.5 mm galvanized wire	190	800 pcs.	14-15
GABI190FI		Ø 2.5 mm stainless steel wire			

SUPPLIED IN BAGS CONTAINING 50 pcs.

L=Length

FAST HOOKING ELEMENT FOR FOR CONCAVE TILES WITHOUT HOLE, PIEMONTE AND BICOPPO DOUBLE CONCAVE TILES

Wire hooks for preventing **double Piemonte or Bicoppo double concave tiles without hole** from slipping off the roof.

Instructions
HOOK FOR DOUBLE PIEMONTE AND BICOPPO TILES WITHOUT HOLE

Technical data sheet
HOOK FOR DOUBLE PIEMONTE AND BICOPPO TILES WITHOUT HOLE

Application on Bicoppo double concave tile

Application on Double Piemonte tile

CODE	DESCRIPTION	MATERIAL	L mm	PACK. pcs	pcs/m²
GADS20FZ	Hook for concave tiles without hole	Ø 2.5 mm galvanized wire	198	1,000 pcs.	14-15
GADS20FI		Ø 2.5 mm stainless steel wire			

SUPPLIED IN BAGS CONTAINING 25 pcs.

L=Length

ACCESSORIES FOR VENTILATED ROOFS

TILE RETAINER HOOK

Stainless steel tile retainer hook for fixing tiles to the ventilation grating along the gutter line.

RELATED PRODUCTS

Gratings

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OFFICINE RASERA trademark
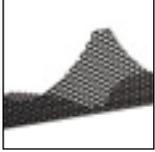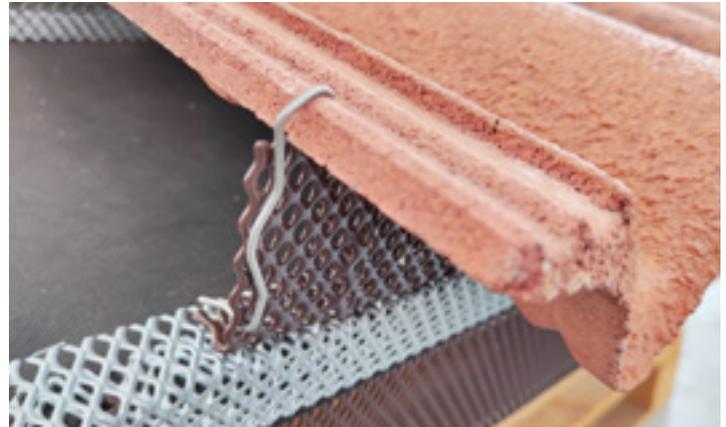
MODEL	CODE	DESCRIPTION	MATERIAL	L mm	PACK. pcs
	GAFT62	Tile retainer hook	Ø 2 mm stainless steel wire	62	1000

SUPPLIED IN BAGS CONTAINING 50 pcs.

L=Length

Technical data sheet
TILE RETAINER HOOK

COPPIBLOC

TILE LOCKING HOOK

Hook made of galvanized steel wire. Prevents the tiles from overturning in the presence of wind.
The hooks are fastened at the sides and top so as to hold the tile anchoring batten in place.

USE OF 4x5 WOODEN BATTEN IS RECOMMENDED

MODEL	CODE	DESCRIPTION	MATERIAL	L mm	PACK. pcs
	GAFT200	Tile locking hook	Ø 2 mm section galvanized wire	195	200

SUPPLIED IN BAGS CONTAINING 50 pcs.

L=Length

Technical data sheet
TILE LOCKING HOOK

RIDGE HOOKS

Hook made of prepainted aluminium **for anchoring half tiles or ridge tiles**.

RELATED PRODUCTS

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Self-perforating screws

**Technical data sheet
RIDGE HOOK FOR CEMENT TILES**

**Technical data sheet
RIDGE HOOK FOR CONCAVE TILES**

**Technical data sheet
RIDGE HOOK FOR COTTO TILES**

SPECIFICATION

Ridge hook:
Element made of prepainted aluminium bent in a hook shape and used for anchoring half tiles or ridge tiles.

MODEL	CODE	DESCRIPTION	MATERIAL	COLOUR	T mm	Pieces m	PACK. pcs
	GFTCETE	Ridge hook for cement tiles h.30 mm	Prepainted aluminium	Siena red RAL 3009	1.8	2.5	200
	GFTCETENE	Ridge hook for cement tiles h.30 mm	Prepainted aluminium	Black RAL 9005	1.8	2.5	200
	GFCO	Ridge hook for concave tiles (half tiles)	Prepainted aluminium	Siena red RAL 3009	1.8	2.5	250
	GFCOTM	Ridge hook for concave tiles (half tiles)	Prepainted aluminium	Dark brown	1.8	2.5	250
	GFCONE	Ridge hook for concave tiles (half tiles)	Prepainted aluminium	Black RAL 9005	1.8	2.5	250
	GFTCE	Ridge hook for cement tiles	Prepainted aluminium	Siena red RAL 3009	1.8	3	250
	GFTCETM	Ridge hook for cement tiles	Prepainted aluminium	Dark brown	1.8	3	250
	GFTCENE	Ridge hook for cement tiles	Prepainted aluminium	Black RAL 9005	1.8	3	250
	GFTCO	Ridge hook for cotto tiles	Prepainted aluminium	Siena red RAL 3009	1.8	3	250
	GFTCOTM	Ridge hook for cotto tiles	Prepainted aluminium	Dark brown	1.8	3	250
	GFTCONE	Ridge hook for cotto tiles	Prepainted aluminium	Black RAL 9005	1.8	3	250

T=Thickness

COPPIBLOC

ACCESSORIES FOR VENTILATED ROOFS

WATERPROOFING BANDS IN COLD-APPLIED SELF-ADHESIVE ALUMINIUM

Adhesive bands formed by a layer of butyl adhesive and a top surface in **UV-resistant painted aluminium**.

Ideal for **sealing the critical points between different roof components**.

SPECIFICATION

Adhesive band:
Aluminium element painted brick red/brown with butyl adhesive for sealing.

MODEL	CODE	DESCRIPTION	COLOUR	L m	H cm	PACK. pcs	Technical data sheet
	NEBLE100	LENTUS Aluminium band with butyl adhesive	Aluminium	10	10	6 rolls per box	
	NEBLE200				20	4 rolls per box	
	ADE150	Embossed adhesive band in painted aluminium	Brick red	5	15	1 roll per box	
	ADE300	Adhesive band in smooth painted aluminium	Brick red	10	30	2 rolls per box	
	ADEB300	Embossed adhesive band in painted aluminium	Brick red	5	30	1 roll per box	
	ADEB300NE	Embossed adhesive band in painted aluminium	Black	5	30	1 roll per box	

L=Length. **H**=Height

ADHESIVE BANDS

ADHESIVE BANDS:

ACCESSORIES FOR VENTILATED ROOFS

MODEL	CODE	DESCRIPTION	COLOUR	L m	H cm	PACK. pcs	Technical data sheet
	ADEB300TM	Embossed adhesive band in painted aluminium	Dark brown	5	30	1 roll per box	
	ADEF300	Adhesive band in extensible painted aluminium	Brick red	5	30	2 rolls per box	
	ADEF300NE	50%	Black				
	ADE4002F	Adhesive band in pleated painted aluminium with 2 adhesive strips	Brick red	5	40	4 rolls per box	
	ADEB400	Embossed adhesive band in painted aluminium	Brick red	5	40	1 roll per box	
	ADEB400TM	Embossed adhesive band in painted aluminium	Dark brown	5	40	1 roll per box	

L=Length. **H**=Height

ADHESIVE BANDS

www.rasera.com

ACCESSORIES FOR VENTILATED ROOFS

SNOW STOP FOR TILES

Snow stops **prevent snow from slipping off the** roof and **carrying the roof surface with it**, thereby avoiding the need for costly maintenance work.

· Available in **different shapes and sizes**
· **Simple and quick to apply**
· Couples directly to the roof surface
· Positioning and installation compliant with standard **UNI-EN 9460-2023**

SPECIFICATION

Snow stop for plain and concave tiles:
Element made of prepainted sheet metal, copper or copper-plated stainless steel, shaped to suit the various types of concave and plain tiles. Prevents the snow from slipping off roofs with sloping pitches.

Available in the following versions:

Copper	Brown RAL 8017	Brick red	Anthracite RAL 7016	Dusty Grey RAL 7037	Galvanized

MODEL	CODE	DESCRIPTION	MATERIAL	COLOUR	L1 mm	L2 mm	H mm	T mm	PACK. pcs.	Technical data sheet
	FNTCM	Snow stop for: - Cement tiles; - Coppo Francia tiles; - Coppo Più FBM concave tiles; - Maxima Cotto Possagno tiles; - Variable pitch Marsigliese tiles (ICP, FBM and Terreal); - M1 Terreal tiles; - Vario 5BMI tiles	Prepainted sheet metal	Brown	280	28	65	1.5	40	
	FNTCMRM		Prepainted sheet metal	Brick red						
	FNTCMAN		Prepainted sheet metal	Anthracite						
	FNTCR		Copper	Copper						
	FNTCM8AN	Snow stop for: - Cement tiles; - Coppo Francia tiles; - Coppo Più FBM concave tiles; - Maxima Cotto Possagno tiles; - Variable pitch Marsigliese tiles (ICP, FBM and Terreal); - M1 Terreal tiles; - Vario 5BMI tiles - Coppo di Grecia tiles	Prepainted sheet metal	Anthracite	325	28	85	1.5	40	
	FNTCM8			Brown						
	FNTCM8RM			Brick Red						
	FNTMM	Snow stop for: - Fixed pitch Tegola Marsigliese tiles	Prepainted sheet metal	Brown	285	28	65	1.5	40	
	FNTMRM		Prepainted sheet metal	Brick red						
	FNTMR		Copper	Copper						
	FNTPM	Snow stop for: - Tegola Portoghese tiles; - Tegola TESI tiles - Portoghese PICA tiles; - Coppo Max Terreal tiles	Prepainted sheet metal	Brown	285	28	65	1.5	40	
	FNTPMRM		Prepainted sheet metal	Brick red						
	FNTPR		Copper	Copper						
	FNTPM8	Snow stop for: - Tegola Portoghese tiles; - Tegola TESI tiles	Prepainted sheet metal	Brown	330	28	85	1.5	40	
	FNTPM8RM			Brick red						
	FNTPFTM	Snow stop for: - Portoghese Flexa	Prepainted sheet metal	Brown	280	30	65	1.5	40	

SNOW STOP

L=Length. **L2**=Width. **H**=Height. **T**=Thickness

ACCESSORIES FOR VENTILATED ROOFS

MODEL	CODE	DESCRIPTION	MATERIAL	COLOUR	L1 mm	L2 mm	H mm	T mm	PACK. pcs.	Technical data sheet
	FNDCI	Snow stop for: - Unicoppo (remove under-channel spike); - Gambale double concave tile	Prepainted sheet metal	Brown	315	23	80	1.8	50	
	FNTCD	Snow stop for: - Canadian shingles	Prepainted sheet metal	Brown	280	28	65	1.5	40	
	FNTCD8	Snow stop for: - Canadian shingles	Prepainted sheet metal	Brown	365	28	85	1.5	40	
	FNTEGTM	Snow stop for: - Erlus Großfalzziegel tiles; - Variable pitch Marsigliese tiles (ICP, FBM and Terreal); - M1 Terreal tiles; - Vario 5.	Prepainted sheet metal	Brown	310	28	65	1.5	40	
	FNTEGRM			Brick red						
	FNTEMTM	Snow stop for: - Tegola Erlus Monaco tiles; - Olandese PICA tiles; - Romain Evolution Terreal tiles; - S10 Terreal tiles.	Prepainted sheet metal	Brown	275	28	65	1.5	40	
	FNTMMC	Snow stop for: - Marsigliese Creaton Rustico tiles; - Monocoppo Tech BMI tiles; - Omega 10 Edilians.	Prepainted sheet metal	Brown	275	28	65	15	40	
	FNTMMCRM			Brick red						
	FERINOX (on request)	Snow stop for: - Slate tiles.	Stainless steel	Steel	380	50	50	4	80	
	FNTP8	Snow stop for: - H8 - L36.5 flat tile	Prepainted sheet metal	Brown	365	28	85	1.5	40	
	FNTP8RM			Brick red						

L=Length. **L2**=Width. **H**=Height. **T**=Thickness

SNOW STOP

SNOW STOP FOR TILES

Snow stops **prevent snow from slipping off the** roof and **carrying the roof surface with it**, thereby avoiding the need for costly maintenance work.

- Available in **different shapes and sizes**
- **Simple and quick to apply**
- Couples directly to the roof surface
- Positioning and installation compliant with standard **UNI-EN 9460-2023**

SPECIFICATION

Snow stop for plain and concave tiles:
Element made of prepainted sheet metal, copper or copper-plated stainless steel, shaped to suit the various types of concave and plain tiles. Prevents the snow from slipping off roofs with sloping pitches.

Available in the following versions:

Brown
RAL 8017

Galvanized
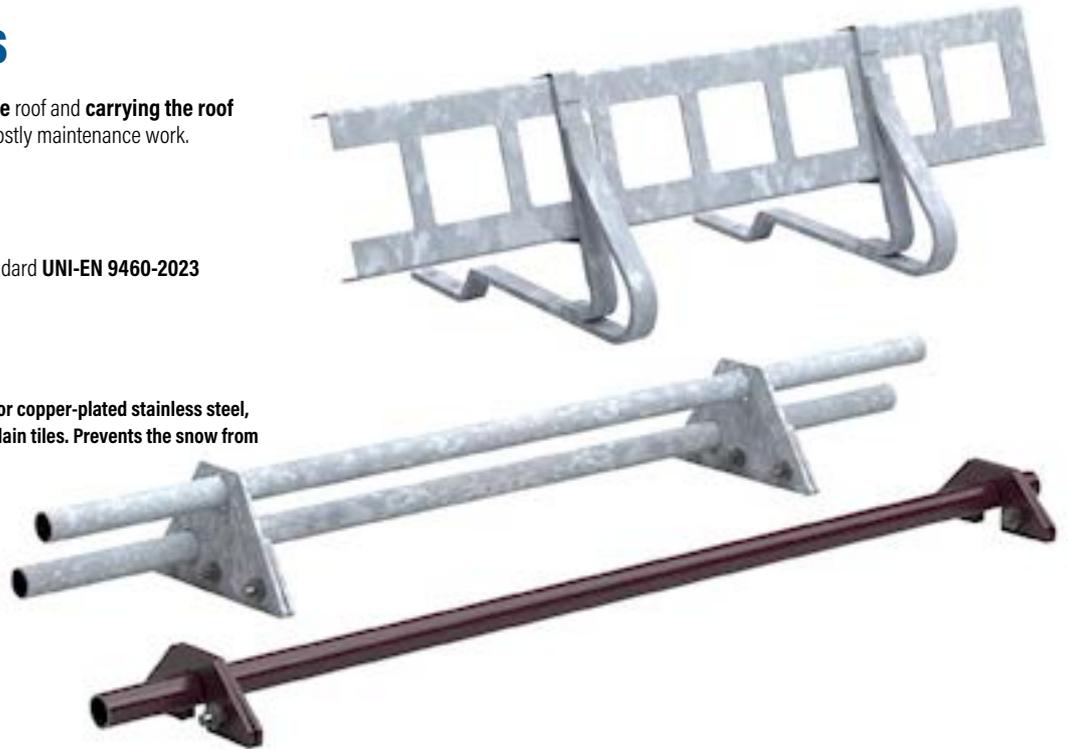
MODEL	CODE	DESCRIPTION	MATERIAL	COLOUR	L1 mm	H mm	PACK. pcs.	Technical data sheet
	FNRSBZ	Low bracket for snow stop net	Galvanized sheet metal	-	-	-	-	
	FNRSAZ	High bracket for snow stop net	Galvanized sheet metal	-	-	-	-	
	FNRSZ15	H15 galvanized snow stop net	Galvanized sheet metal	-	3,000	150	-	
	FNRGZ	Joint for snow stop net	Galvanized	-	-	-	-	
	FNS1FTM	Bracket for snow stop tube 1 hole	Sheet metal	Brown	-	-	-	
	FNS1FZ			Galvanized				
	FNS2FTM	Bracket for snow stop tube 2 holes	Sheet metal	Brown	-	-	-	
	FNS2FZ			Galvanized				
	FNT28TM	28x2.5 mm tube - 6 m length	Prepainted sheet metal	Brown	6,000	-	-	
	FNT28Z			Galvanized				
	FNGTZ	Tube joint	Galvanized	-	-	-	-	

L=Length. **H**=Height

SNOW STOP

ACCESSORIES FOR VENTILATED ROOFS

SNOW STOP FOR CONCAVE TILES

Snow stops **prevent snow from slipping off the** roof and **carrying the roof surface with it**, thereby avoiding the need for costly maintenance work.

- Available in **in different shapes and sizes**.
- **Simple and quick to apply**.
- Couples directly to the roof surface.
- Positioning and installation compliant with standard **UNI-EN 9460-2023**.

SPECIFICATION

Snow stop for plain and concave tiles:
Element made of prepainted sheet metal, copper or copper-plated stainless steel, shaped to suit the various types of concave and plain tiles. Prevents the snow from slipping off roofs with sloping pitches.

Available in the following versions:

Copper	Brown RAL 8017	Brick red	Anthracite RAL 7016	Dusty Grey RAL 7037	Galvanized

MODEL	CODE	DESCRIPTION	MATERIAL	COLOUR	L1 mm	L2 mm	H mm	T mm	PACK. pcs	Technical data sheet
	FNCM	Snow stop for concave tiles	Prepainted sheet metal	Brown	120	40	60	1.5	70	
	FNCR		Copper	Copper						
	FNCIR		Copper plated stainless steel	Copper						
	FNCAM	Snow stop for Concave tiles with hook	Prepainted sheet metal	Brown	320	28	65	1.5	40	

L1=Length. **L2**=Width. **H**=Height. **T**=Thickness

PIGEON BARRIERS

These barriers **prevent birds from perching on eaves** and gutters.

SPECIFICATION

Pigeon barrier:
Element consisting of a base made of steel or polycarbonate, 50 or 100 cm in length, with stainless steel spikes fixed perpendicularly to the base to prevent birds from landing.

MODEL	CODE	DESCRIPTION	MATERIAL	ROWS	SPIKES	L cm	PACK. pcs	Technical data sheet
	DP80	Pigeon barrier	Base UV-resistant polycarbonate	3	80	50	100	
	DP54	Pigeon barrier	Base stainless steel	3	60	100	25	
	DP60F	Flexible pigeon barrier	Base stainless steel	3	60	100	25	
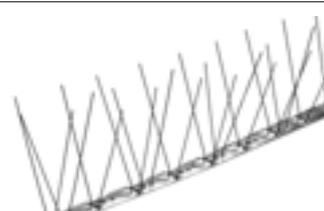
L=Length

ACCESSORIES FOR VENTILATED ROOFS

FASTENERS FOR ANCHORING FAIR-FACED BRICKS

These clips **for anchoring fair-faced bricks** can be applied to ventilated and insulated cavity walls. They are ideal for cladding masonry in **terracotta air bricks or concrete bricks**.

• Facilitate and speed up the cladding operations.
• CE certificate in compliance with **UNI-EN 845-1**.
• Indicative quantity 4/5 pieces per m². Check with Structural Engineer.

Concrete masonry
Terracotta air bricks
"L shaped fastener"
"L shaped fastener"
Split pin
Insulation
Split pin
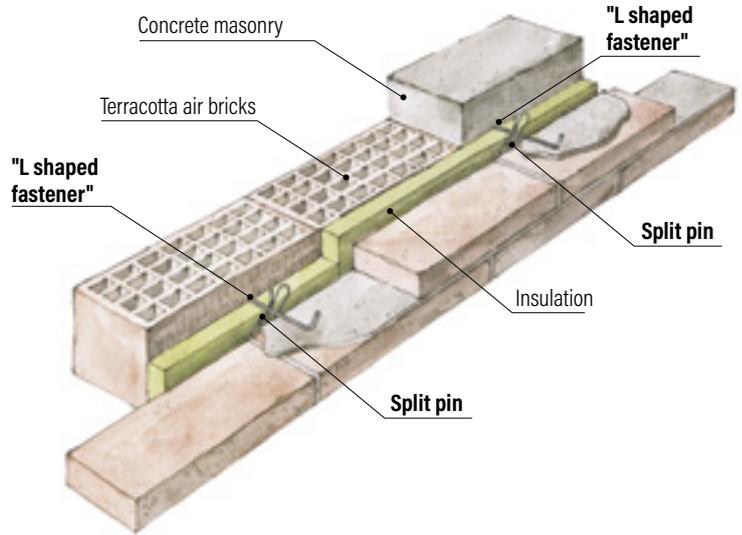
SPECIFICATION

Fasteners for anchoring bricks:
Element made of stainless steel wire bent in an "L" shape, with fixing plugs, for anchoring fair-faced brick cladding to the bearing wall. CE certificate in compliance with UNI EN 845-1.

ANCHORS FOR BRICKS
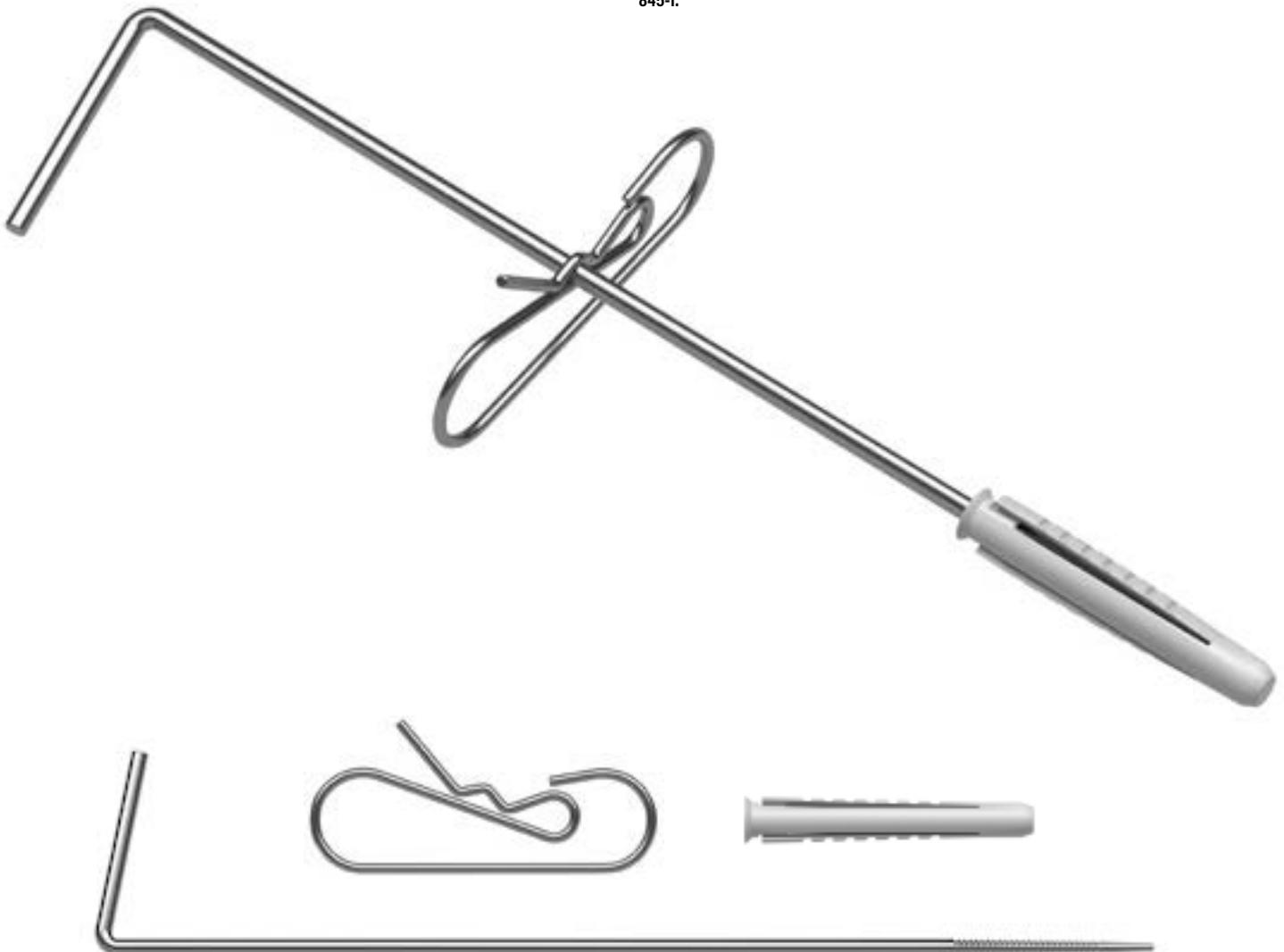
FASTENERS WITH PLUG

MODEL	CODE	DESCRIPTION	MATERIAL	Ø mm	L mm	PACK. pcs	D.O.P.
	GAMAL150F	150 mm "L" shaped threaded fastener with ø 6x50 nylon plug for terracotta air bricks or concrete bricks code **TAS6X50**	Stainless steel	3.3	150	300	
	GAMAL200F	200mm "L" shaped threaded fastener with ø 6x50 nylon plug for terracotta air bricks or concrete bricks code **TAS6X50**	Stainless steel	3.3	200	200	
	GAMAL250F	250mm "L" shaped threaded fastener with ø 6x50 nylon plug for terracotta air bricks or concrete bricks code **TAS6X50**	Stainless steel	3.3	250	200	
	GAMAL300F	300mm "L" shaped threaded fastener with ø 6x50 nylon plug for terracotta air bricks or concrete bricks code **TAS6X50**	Stainless steel	3.3	300	200	
	GAMAL400F	400mm "L" shaped threaded fastener with ø 6x50 nylon plug for terracotta air bricks or concrete bricks code **TAS6X50**	Stainless steel	3.3	400	300	
	GAMAL450F*	450mm "L" shaped threaded fastener with ø 6x50 nylon plug for terracotta air bricks or concrete bricks code **TAS6X50**	Stainless steel	3.3	450	300	

* on request

L=Length. **Ø**=Diameter

FASTENER ACCESSORIES

MODEL	CODE	DESCRIPTION	MATERIAL	Ø mm
	COPOIS	Split pin for positioning insulation	Stainless steel	2.0

ACCESSORIES FOR VENTILATED ROOFS

EXHAUST STACKS IN COPPER

MATERIALS
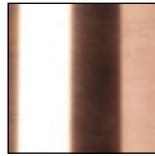
Copper

SPECIFICATION

Stacks:
Cylindrical shaped terminal components of stacks made of copper, stainless steel, aluminium and prepainted sheet metal.

Available with the following finishes:

NA

Natural

Copper stacks with collars and netting

MODEL	CODE	DESCRIPTION	Ø mm	H cm
	CAMARRA80	Copper exhaust stack with collars and netting	80	45
	CAMARRA100	Copper exhaust stack with collars and netting	100	45
	CAMARRA120	Copper exhaust stack with collars and netting	120	45
	CAMARRA140	Copper exhaust stack with collars and netting	140	45
	CAMARRA160	Copper exhaust stack with collars and netting	160	45
	CAMARRA180	Copper exhaust stack with collars and netting	180	45
	CAMARRA200	Copper exhaust stack with collars and netting	200	45
	CAMARRA220	Copper exhaust stack with collars and netting	220	45
	CAMARRA250	Copper exhaust stack with collars and netting	250	45
	CAMARRA300	Copper exhaust stack with collars and netting	300	45
	CAMARRA350	Copper exhaust stack with collars and netting	350	45

Copper stacks with collars

MODEL	CODE	DESCRIPTION	Ø mm	H cm
	CAMARA80	Copper exhaust stack with collars	80	45
	CAMARA100	Copper exhaust stack with collars	100	45
	CAMARA120	Copper exhaust stack with collars	120	45
	CAMARA140	Copper exhaust stack with collars	140	45
	CAMARA160	Copper exhaust stack with collars	160	45
	CAMARA180	Copper exhaust stack with collars	180	45
	CAMARA200	Copper exhaust stack with collars	200	45
	CAMARA220	Copper exhaust stack with collars	220	45
	CAMARA250	Copper exhaust stack with collars	250	45
	CAMARA300	Copper exhaust stack with collars	300	45
	CAMARA350	Copper exhaust stack with collars	350	45

Copper stacks with netting

MODEL	CODE	DESCRIPTION	Ø mm	H cm
	CAMRRA80	Copper exhaust stack with netting	80	40
	CAMRRA100	Copper exhaust stack with netting	100	40
	CAMRRA120	Copper exhaust stack with netting	120	40
	CAMRRA140	Copper exhaust stack with netting	140	40
	CAMRRA160	Copper exhaust stack with netting	160	40
	CAMRRA180	Copper exhaust stack with netting	180	40
	CAMRRA200	Copper exhaust stack with netting	200	40
	CAMRRA220	Copper exhaust stack with netting	220	40
	CAMRRA250	Copper exhaust stack with netting	250	40
	CAMRRA300	Copper exhaust stack with netting	300	40

Ø=Diameter . **H**=Cylinder height

STACKS

STAINLESS STEEL STACKS

ACCESSORIES FOR VENTILATED ROOFS

EXHAUST STACKS IN STAINLESS STEEL

MATERIALS
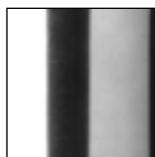
Stainless steel

SPECIFICATION

Stacks:
Cylindrical shaped terminal components of stacks made of copper, stainless steel, aluminium and prepainted sheet metal.

Available with the following finishes:

NA

Natural

Stainless steel stacks with collars and netting

MODEL	CODE	DESCRIPTION	Ø mm	H cm
	CAMARIN80	Stainless steel exhaust stack with collars and netting	80	45
	CAMARIN100	Stainless steel exhaust stack with collars and netting	100	45
	CAMARIN120	Stainless steel exhaust stack with collars and netting	120	45
	CAMARIN140	Stainless steel exhaust stack with collars and netting	140	45
	CAMARIN160	Stainless steel exhaust stack with collars and netting	160	45
	CAMARIN180	Stainless steel exhaust stack with collars and netting	180	45
	CAMARIN200	Stainless steel exhaust stack with collars and netting	200	45
	CAMARIN220	Stainless steel exhaust stack with collars and netting	220	45
	CAMARIN250	Stainless steel exhaust stack with collars and netting	250	45
	CAMARIN300	Stainless steel exhaust stack with collars and netting	300	45
	CAMARIN350	Stainless steel exhaust stack with collars and netting	350	45

Stainless steel stacks with collars

MODEL	CODE	DESCRIPTION	Ø mm	H cm
	CAMAIN80	Stainless steel exhaust stack with collars	80	45
	CAMAIN100	Stainless steel exhaust stack with collars	100	45
	CAMAIN120	Stainless steel exhaust stack with collars	120	45
	CAMAIN140	Stainless steel exhaust stack with collars	140	45
	CAMAIN160	Stainless steel exhaust stack with collars	160	45
	CAMAIN180	Stainless steel exhaust stack with collars	180	45
	CAMAIN200	Stainless steel exhaust stack with collars	200	45
	CAMAIN220	Stainless steel exhaust stack with collars	220	45
	CAMAIN250	Stainless steel exhaust stack with collars	250	45
	CAMAIN300	Stainless steel exhaust stack with collars	300	45
	CAMAIN350	Stainless steel exhaust stack with collars	350	45

Stainless steel with netting

MODEL	CODE	DESCRIPTION	Ø mm	H cm
	CAMRIN80	Stainless steel exhaust stack with netting	80	40
	CAMRIN100	Stainless steel exhaust stack with netting	100	40
	CAMRIN120	Stainless steel exhaust stack with netting	120	40
	CAMRIN140	Stainless steel exhaust stack with netting	140	40
	CAMRIN160	Stainless steel exhaust stack with netting	160	40
	CAMRIN180	Stainless steel exhaust stack with netting	180	40
	CAMRIN200	Stainless steel exhaust stack with netting	200	40
	CAMRIN220	Stainless steel exhaust stack with netting	220	40
	CAMRIN250	Stainless steel exhaust stack with netting	250	40
	CAMRIN300	Stainless steel exhaust stack with netting	300	40

Ø=Diameter . **H**=Cylinder height

STACKS

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ACCESSORIES FOR VENTILATED ROOFS

EXHAUST STACKS IN ALUMINIUM

MATERIALS

Aluminium

SPECIFICATION

Stacks:
Cylindrical shaped terminal components of stacks made of copper, stainless steel, aluminium and prepainted sheet metal.

Available with the following finishes:

AN	B	BG	G	GR		RR	RS	SI	TM	VR
Anthracite	White	White Grey	Grey	Roof Grey	Natural	Roof copper	Siena red	Silver	Dark brown	Roof Green

Aluminium stacks with collars and netting

MODEL	CODE	DESCRIPTION	Ø mm	H cm
	CAMARAL_80	Aluminium exhaust stack with collars and netting	80	45
	CAMARAL_100	Aluminium exhaust stack with collars and netting	100	45
	CAMARAL_120	Aluminium exhaust stack with collars and netting	120	45
	CAMARAL_140	Aluminium exhaust stack with collars and netting	140	45
	CAMARAL_160	Aluminium exhaust stack with collars and netting	160	45
	CAMARAL_180	Aluminium exhaust stack with collars and netting	180	45
	CAMARAL_200	Aluminium exhaust stack with collars and netting	200	45
	CAMARAL_220	Aluminium exhaust stack with collars and netting	220	45
	CAMARAL_250	Aluminium exhaust stack with collars and netting	250	45
	CAMARAL_300	Aluminium exhaust stack with collars and netting	300	45
	CAMARAL_350	Aluminium exhaust stack with collars and netting	350	45

Aluminium stacks with collars

MODEL	CODE	DESCRIPTION	Ø mm	H cm
	CAMAAL_80	Aluminium exhaust stack with collars	80	45
	CAMAAL_100	Aluminium exhaust stack with collars	100	45
	CAMAAL_120	Aluminium exhaust stack with collars	120	45
	CAMAAL_140	Aluminium exhaust stack with collars	140	45
	CAMAAL_160	Aluminium exhaust stack with collars	160	45
	CAMAAL_180	Aluminium exhaust stack with collars	180	45
	CAMAAL_200	Aluminium exhaust stack with collars	200	45
	CAMAAL_220	Aluminium exhaust stack with collars	220	45
	CAMAAL_250	Aluminium exhaust stack with collars	250	45
	CAMAAL_300	Aluminium exhaust stack with collars	300	45
	CAMAAL_350	Aluminium exhaust stack with collars	350	45

Aluminium stacks with netting

MODEL	CODE	DESCRIPTION	Ø mm	H cm
	CAMRAL_80	Aluminium exhaust stack with netting	80	40
	CAMRAL_100	Aluminium exhaust stack with netting	100	40
	CAMRAL_120	Aluminium exhaust stack with netting	120	40
	CAMRAL_140	Aluminium exhaust stack with netting	140	40
	CAMRAL_160	Aluminium exhaust stack with netting	160	40
	CAMRAL_180	Aluminium exhaust stack with netting	180	40
	CAMRAL_200	Aluminium exhaust stack with netting	200	40
	CAMRAL_220	Aluminium exhaust stack with netting	220	40
	CAMRAL_250	Aluminium exhaust stack with netting	250	40
	CAMRAL_300	Aluminium exhaust stack with netting	300	40

Form the code by entering the initials of the required finish in place of "_"
(e.g. CAMRAL_300 Siena Red = CAMRAL**RS**300)

Ø=Diameter . **H**=Cylinder height

STACKS

SHEET METAL STACKS

ACCESSORIES FOR VENTILATED ROOFS

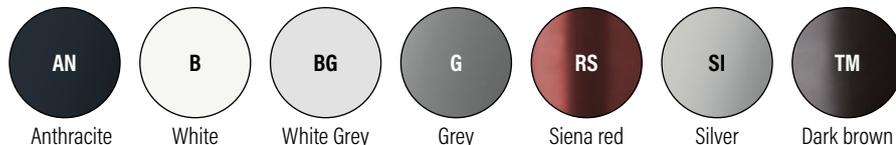## EXHAUST STACKS IN PREPAINTED SHEET METAL

MATERIALS

Prepainted sheet metal

SPECIFICATION

Stacks:
Cylindrical shaped terminal components in stacks made of copper, stainless steel, aluminium and prepainted sheet metal.

Available with the following finishes:

AN	B	BG	G	RS	SI	TM
Anthracite	White	White Grey	Grey	Siena red	Silver	Dark brown

Prepainted sheet metal stacks with collars and netting

MODEL	CODE	DESCRIPTION	Ø mm	H cm
	CAMARLP_80	Prepainted sheet metal exhaust stack with collars and netting	80	45
	CAMARLP_100	Prepainted sheet metal exhaust stack with collars and netting	100	45
	CAMARLP_120	Prepainted sheet metal exhaust stack with collars and netting	120	45
	CAMARLP_140	Prepainted sheet metal exhaust stack with collars and netting	140	45
	CAMARLP_160	Prepainted sheet metal exhaust stack with collars and netting	160	45
	CAMARLP_180	Prepainted sheet metal exhaust stack with collars and netting	180	45
	CAMARLP_200	Prepainted sheet metal exhaust stack with collars and netting	200	45
	CAMARLP_220	Prepainted sheet metal exhaust stack with collars and netting	220	45
	CAMARLP_250	Prepainted sheet metal exhaust stack with collars and netting	250	45
	CAMARLP_300	Prepainted sheet metal exhaust stack with collars and netting	300	45
	CAMARLP_350	Prepainted sheet metal exhaust stack with collars and netting	350	45

Prepainted sheet metal stacks with collars

MODEL	CODE	DESCRIPTION	Ø mm	H cm
	CAMALP_80	Prepainted sheet metal exhaust stack with collars	80	45
	CAMALP_100	Prepainted sheet metal exhaust stack with collars	100	45
	CAMALP_120	Prepainted sheet metal exhaust stack with collars	120	45
	CAMALP_140	Prepainted sheet metal exhaust stack with collars	140	45
	CAMALP_160	Prepainted sheet metal exhaust stack with collars	160	45
	CAMALP_180	Prepainted sheet metal exhaust stack with collars	180	45
	CAMALP_200	Prepainted sheet metal exhaust stack with collars	200	45
	CAMALP_220	Prepainted sheet metal exhaust stack with collars	220	45
	CAMALP_250	Prepainted sheet metal exhaust stack with collars	250	45
	CAMALP_300	Prepainted sheet metal exhaust stack with collars	300	45
	CAMALP_350	Prepainted sheet metal exhaust stack with collars	350	45

Prepainted sheet metal stacks with netting

MODEL	CODE	DESCRIPTION	Ø mm	H cm
	CAMRLP_80	Prepainted sheet metal exhaust stack with netting	80	40
	CAMRLP_100	Prepainted sheet metal exhaust stack with netting	100	40
	CAMRLP_120	Prepainted sheet metal exhaust stack with netting	120	40
	CAMRLP_140	Prepainted sheet metal exhaust stack with netting	140	40
	CAMRLP_160	Prepainted sheet metal exhaust stack with netting	160	40
	CAMRLP_180	Prepainted sheet metal exhaust stack with netting	180	40
	CAMRLP_200	Prepainted sheet metal exhaust stack with netting	200	40
	CAMRLP_220	Prepainted sheet metal exhaust stack with netting	220	40
	CAMRLP_250	Prepainted sheet metal exhaust stack with netting	250	40
	CAMRLP_300	Prepainted sheet metal exhaust stack with netting	300	40

STACKS

Form the code by entering the initials of the required finish in place of "_"
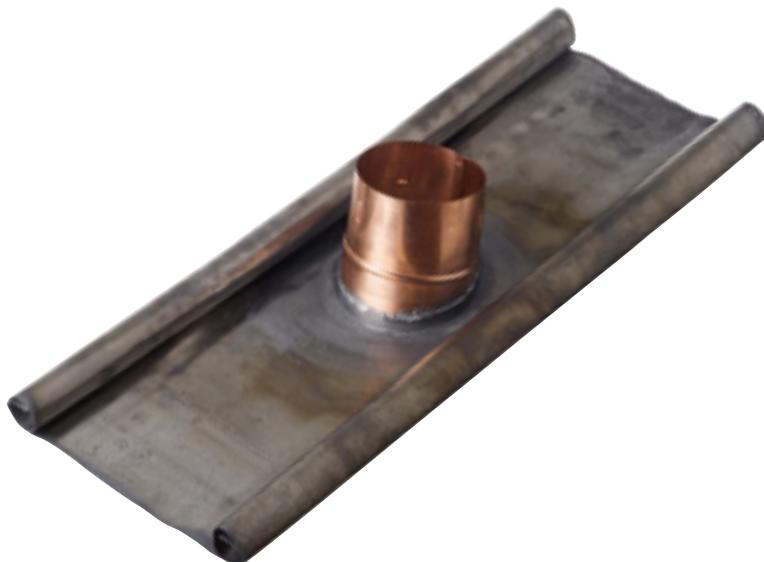(e.g. CAMRAL_300 Siena Red = CAMRAL**RS**300)

Ø=Diameter . **H**=Cylinder height

VALLEYS FOR CYLINDRICAL STACKS

Valleys in lead and copper or lead and stainless steel for cylindrical stacks, with 600x700 mm lead dimensions and thickness 1.2 mm.

Note: always use steel valleys in conjunction with aluminium or steel. Do not use aluminium and copper together.

SPECIFICATION

Valley:
Joining element in lead and copper or lead and stainless steel for stack ends.

CODE	DESCRIPTION	MATERIAL	Ø mm
CONRA80	Valley for cylindrical stacks	Lead and copper	80
CONRA100	Valley for cylindrical stacks	Lead and copper	100
CONRA120	Valley for cylindrical stacks	Lead and copper	120
CONRA140	Valley for cylindrical stacks	Lead and copper	140
CONRA160	Valley for cylindrical stacks	Lead and copper	160
CONRA180	Valley for cylindrical stacks	Lead and copper	180
CONRA200	Valley for cylindrical stacks	Lead and copper	200
CONRA220	Valley for cylindrical stacks	Lead and copper	220
CONRA250	Valley for cylindrical stacks	Lead and copper	250
CONRA300	Valley for cylindrical stacks	Lead and copper	300
CONRA350	Valley for cylindrical stacks	Lead and copper	350

CODE	DESCRIPTION	MATERIAL	Ø mm
CONIN80	Valley for cylindrical stacks	Lead and stainless steel	80
CONIN100	Valley for cylindrical stacks	Lead and stainless steel	100
CONIN120	Valley for cylindrical stacks	Lead and stainless steel	120
CONIN140	Valley for cylindrical stacks	Lead and stainless steel	140
CONIN160	Valley for cylindrical stacks	Lead and stainless steel	160
CONIN180	Valley for cylindrical stacks	Lead and stainless steel	180
CONIN200	Valley for cylindrical stacks	Lead and stainless steel	200
CONIN220	Valley for cylindrical stacks	Lead and stainless steel	220
CONIN250	Valley for cylindrical stacks	Lead and stainless steel	250
CONIN300	Valley for cylindrical stacks	Lead and stainless steel	300
CONIN350	Valley for cylindrical stacks	Lead and stainless steel	350

Ø=Diameter

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