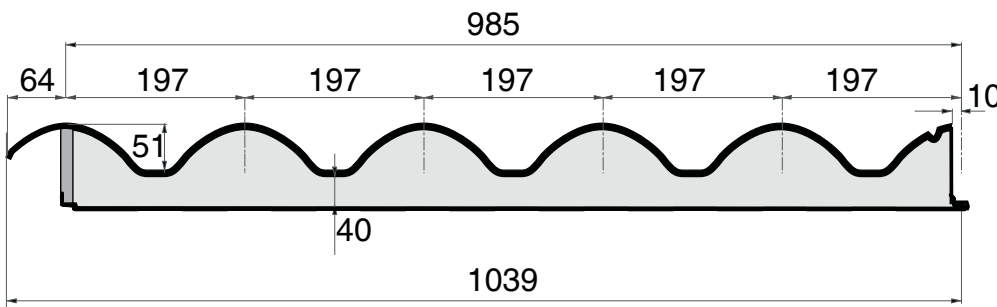


ISO *Coppo*

Flat

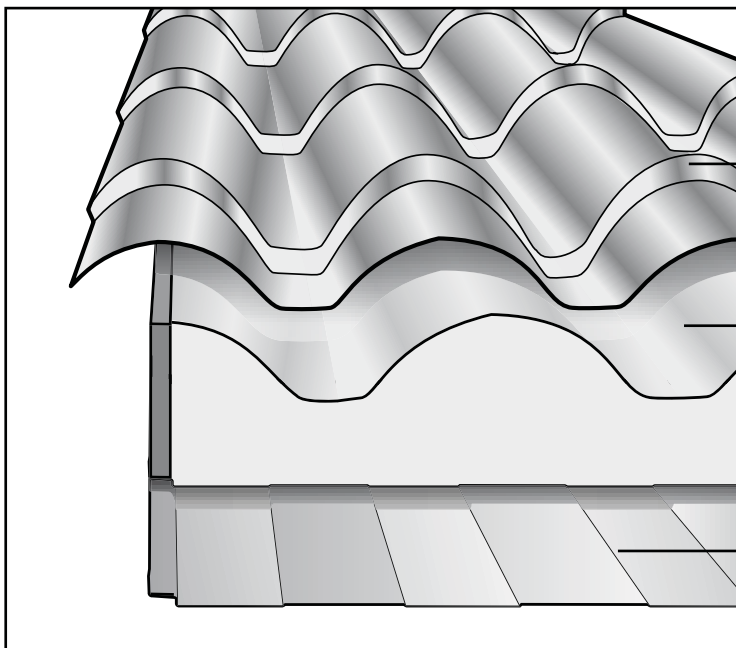
IsoCoppo Flat

TECHNICAL DATA SHEET



Made in:

- **Prepainted aluminium**
- **Prepainted steel**
- **Copper**



Top metal sheet
(steel, aluminium and copper)

Insulating layer in stiff polyurethane foam

Bottom support, microcorrugated surface in white prepainted steel or with a wood type finish

MATERIALS

	copper	aluminium	prepainted steel
top profile	0,6	0,7	0,5
insulating material	40	40	40
bottom profile	0,4	0,4	0,4
cladding	natural	prep. polyester	prep. polyester

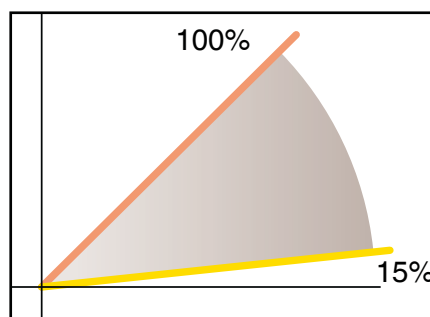
IsoCoppo Flat

WEIGHT OF PANELS IN STEEL, ALUMINIUM AND COPPER [kg/m²]

Sheet thickness (mm)	Panel thickness (mm)				
	30	40	50	60	80
	kg/m ²	kg/m ²	kg/m ²	kg/m ²	kg/m ²
Steel 0,5 mm / Steel. 0,4 mm	10,5	10,9	11,3	11,7	12,5
Steel. 0,5 mm / Felt paper	7,6	8,0	8,4	8,8	9,6
Alum. 0,7 mm / Steel. 0,4 mm	7,9	8,3	8,7	9,1	9,9
Alum. 0,7 mm / Felt paper	5,0	5,4	5,8	6,2	7,0
Copper 0,5 mm / Steel. 0,4 mm	11,1	11,5	11,9	12,3	13,1
Copper 0,6 / Felt paper	9,3	9,7	10,1	10,5	11,3

TECHNICAL DATA SHEET

RANGE OF APPLICATION



Isocoppo can be used on roofs with a minimum slant of up to 15%

THERMAL CHARACTERISTICS

Panel thickness (mm)	Average thickness (mm)	Heat transmission rate U (W/m ² K)
30	55	0,396
40	65	0,341
50	75	0,300
60	85	0,247
80	105	0,214

REACTION TO FIRE

**Class
1 (uno)**

according to
Italian Ministerial Decree
of 2/06/1984

IsoCoppo Flat

PERMITTED LOAD CAPACITIES

IsoCoppo Flat panel consisting of:

- laminated on the top in steel, 0,5 mm thick
- laminated on the bottom in steel, 0,4 mm thick

gam (m)	Permitted load capacity daN/m ²
1,5	334
2,0	195
2,5	101

Load uniformly distributed expressed in daN/m² for double span and downward loads. Assessments as per the ICITE technical report number 3962/RT/05, applying a safety factor of 1,5 to the load corresponding to the straining equal to 1/200 of the gap..

*The contents of this calculation table are to be considered approximate and purely indicative. The structural calculation is the task of the designer and/or user in each single case that also has to determine the application design specifications for the roofing in question.

PERMITTED LOAD CAPACITIES

IsoCoppo Flat panel consisting of:

- laminated on the top in aluminium, 0,7 mm thick
- laminated on the bottom in steel, 0,4 mm thick

Gap (m)	Permitted load capacity daN/m ²
1,5	180
2,0	167
2,5	93

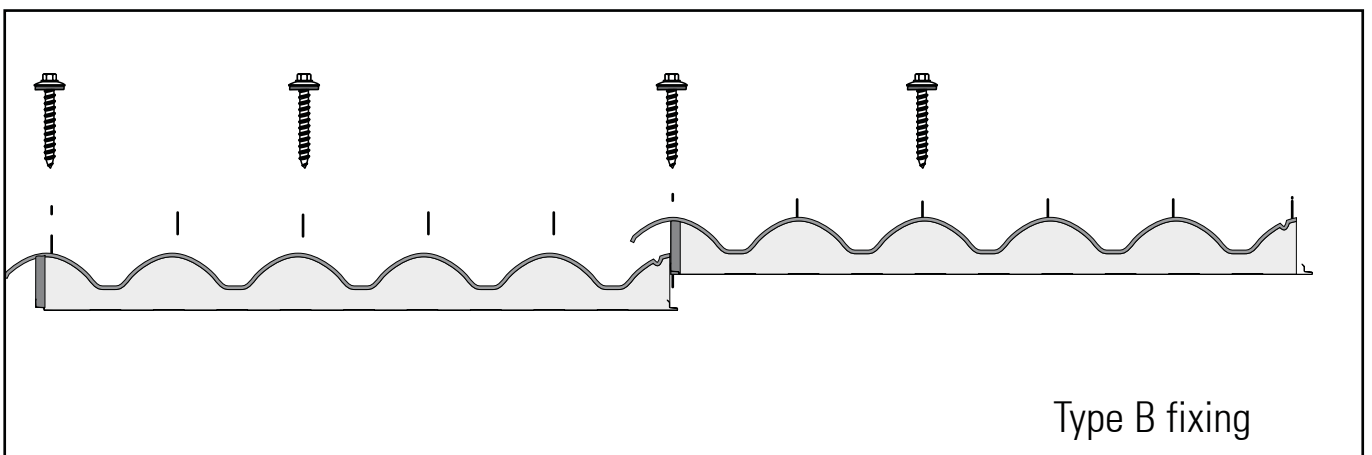
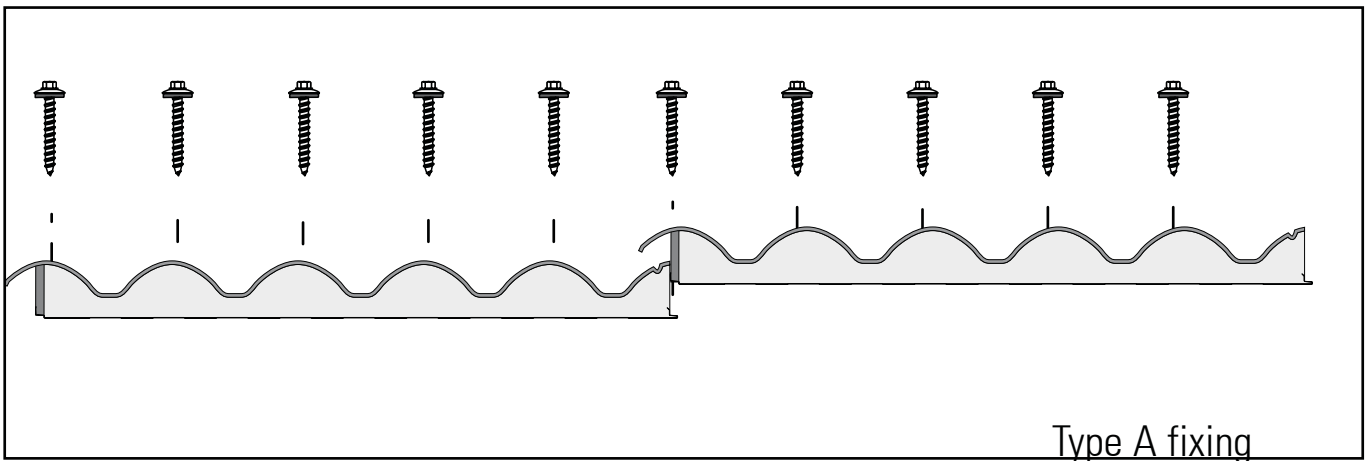
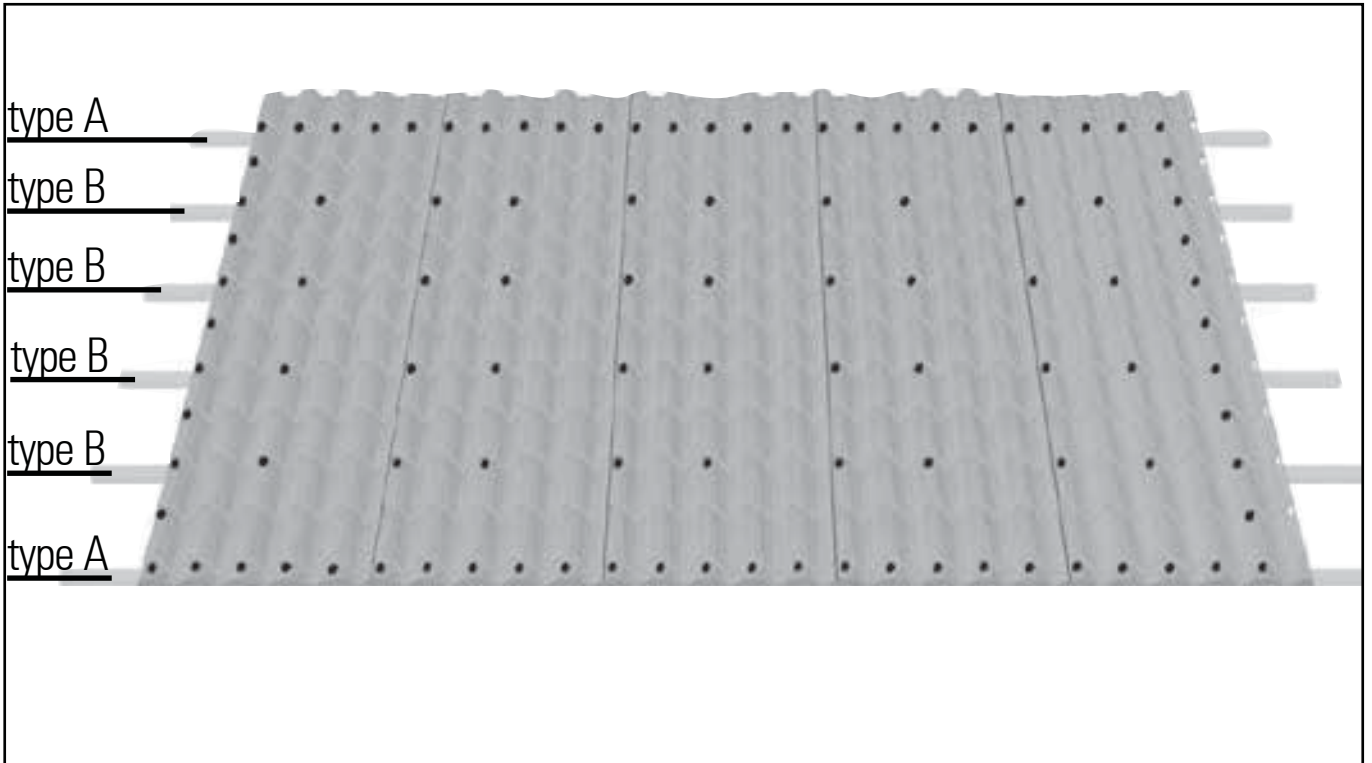
Load uniformly distributed expressed in daN/m² for double span and downward loads. Assessments as per the ICITE technical report number 3962/RT/05, applying a safety factor of 1,5 to the load corresponding to the straining equal to 1/200 of the gap..

" The contents of this calculation table are to be considered approximate and purely indicative. The structural calculation is the task of the designer and/or user in each single case that also has to determine the application design specifications for the roofing in question.

IsoCoppo Flat

FIXING

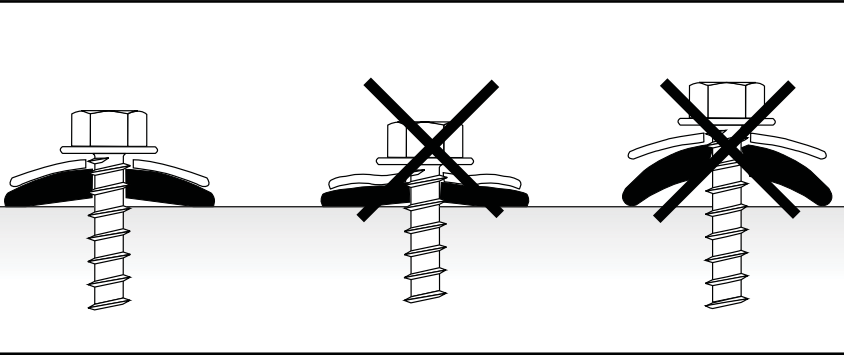
INSTALLATION INSTRUCTIONS



IsoCoppo Flat

INSTALLATION INSTRUCTIONS

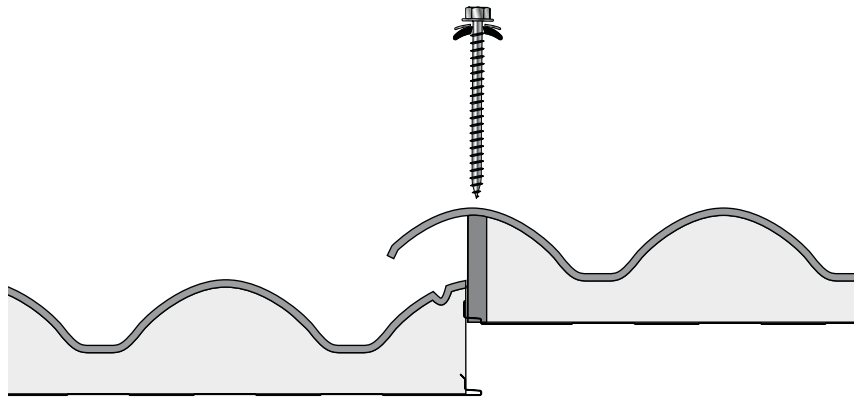
TIPS TO FIX THE SHEETS CORRECTLY



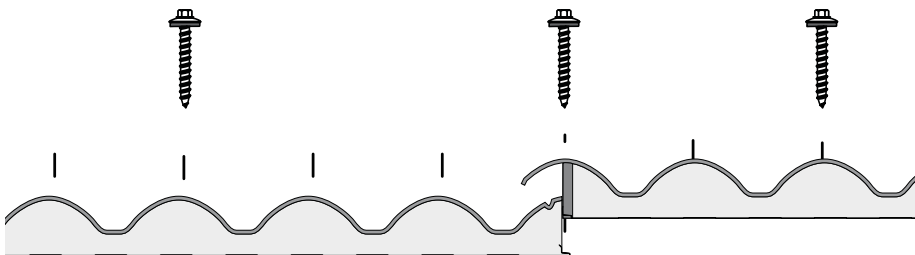
The Alublok Fixing system

With its special EPDM seal, the Alublok Fixing system ensures excellent results, especially when dealing with thermal expansion issues with the sheets.

Lateral overlapping, phase A



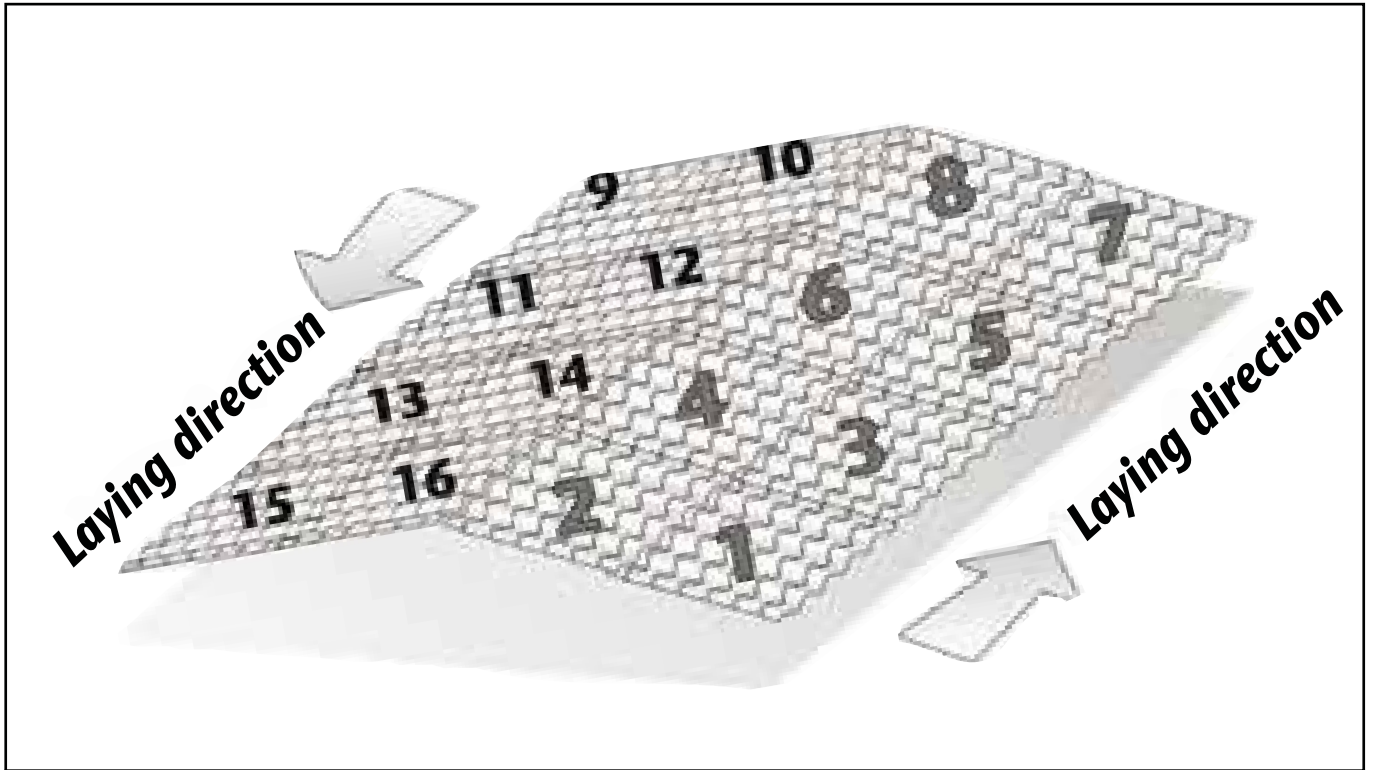
Lateral overlapping, phase B



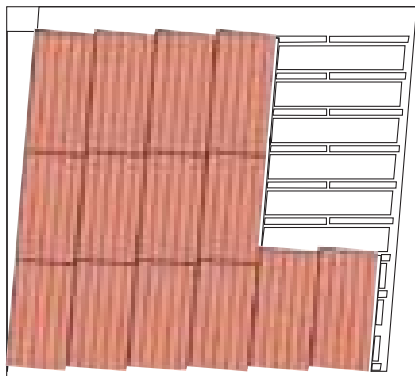
IsoCoppo Flat

LAYING THE SHEETS

INSTALLATION INSTRUCTIONS

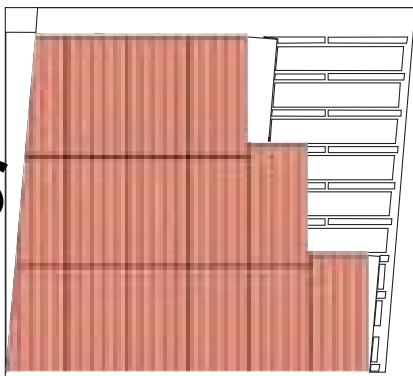


NO



This (no good!) drawing shows sheets laid on an offset roof and where parallelism has been maintained on the side instead of the gutter angle.

YES

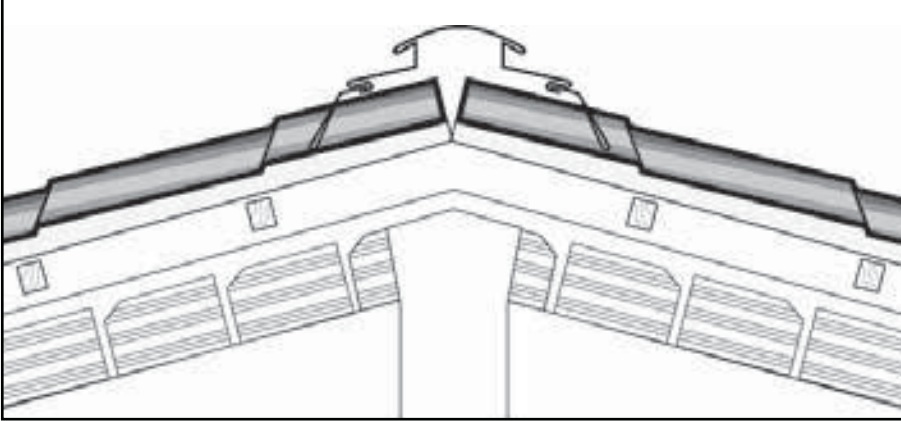


Laying at a 90° angle from the gutter line

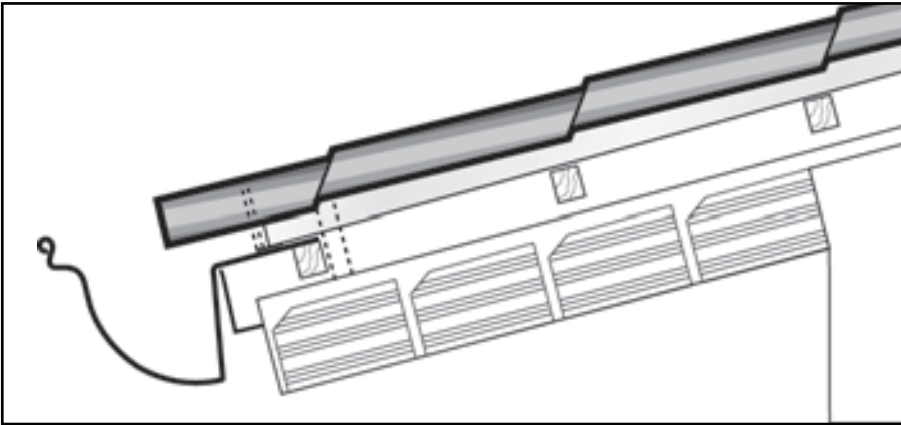
IsoCoppo Flat

APPLICATIONS

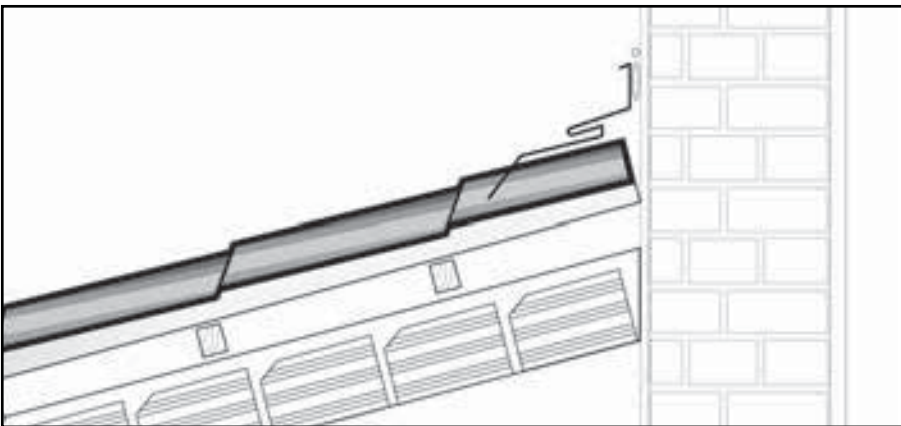
APPLICATIONS



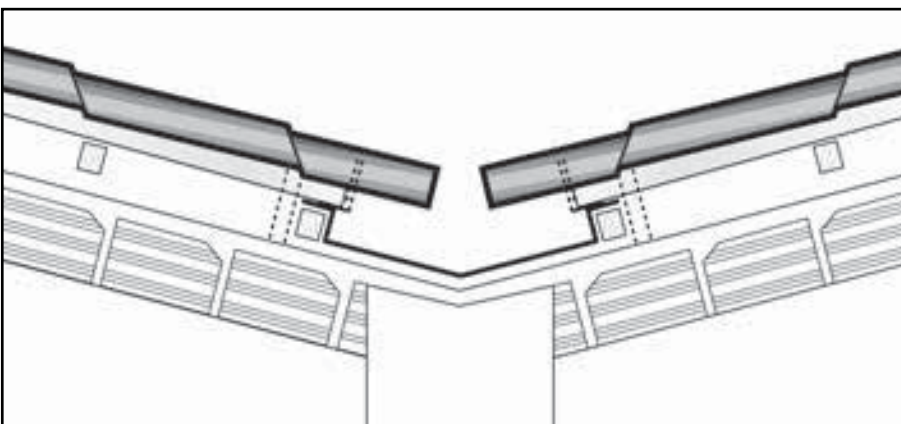
Ridge detail



Gutter detail



Wall connection



Converse detail

IsoCoppo Flat

STORAGE

STORAGE

