

BRUCHA[®]Paneel[®]

PUR/PIR roof – DP

Standard DESIGN AND SURFACES

Coil-coated, hot-dip galvanised steel sheet

EXTERIOR:	<ul style="list-style-type: none">Exposed side 25 µm polyester coating with a PVC protective film (protects against solar radiation). The film must be removed no later than 10 weeks after the production date (visible on the longitudinal joint of the panel).Profile: Trapezoidal profile, 42 mm (according to diagram)Crown distance: 333.3 mmMetal gauge: 0.6 mm (smaller metal gauge on request)
INTERIOR:	<ul style="list-style-type: none">Exposed side has 25 µm polyester coating without protective PVC film (if required, please specify with order).Profile 1 = standard (profile 2 and 3 on request)Metal gauge: 0.5 mm (smaller metal gauge on request)
INSULATION CORE:	<ul style="list-style-type: none">Polyurethane rigid foam manufactured in continuously foamed processapprox. 95 % closed cells, securely attached to the steel sheetDensity approx. 40 kg/m³, absolutely no chlorofluorocarbons or halogenated chlorofluorocarbons – pentane foam process
FIRE BEHAVIOUR:	<ul style="list-style-type: none">In line with EN 13501-1, Euroclass Bs2d0, Bs1d0 on request.
STANDARD COLOURS:	<ul style="list-style-type: none">In accordance with BASIC colour range
PANEL CONNECTION:	<ul style="list-style-type: none">External, by overlapping of the corrugations, whereby the non-foamed sheet of a panel is placed over the corresponding section of the next panel.On the underside, by special shaping, whereby the complementary profile to the corrugation of one roof panel overlaps the corrugation of the second panel, thus achieving a tight connection.Unique TRIPLE SEALING SYSTEM (as per diagram) offers optimal condensate protection.Capillary break (refer drawing).
SPECIFICATIONS:	Download from www.brucha.com
EXTERNAL MONITORING:	National and international tests, quality standards



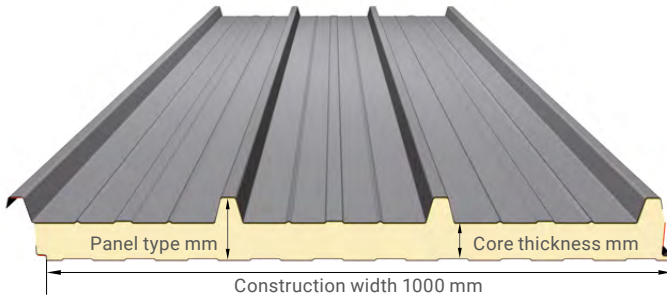
We will be happy to send certificates on request!

BRUCHAPaneel®

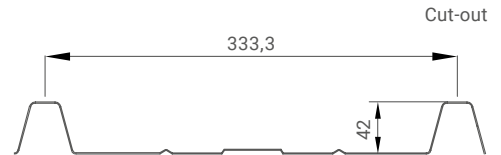
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Minimum roof pitch 3° (5.2%) without transverse joint and penetration.

BRUCHAPaneel panel DP with polyurethane core can be combined with BRUCHAPaneel DP-F with mineral wool core.



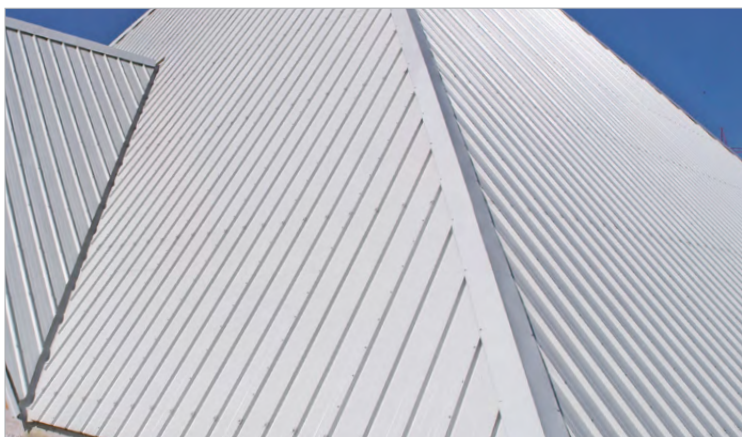
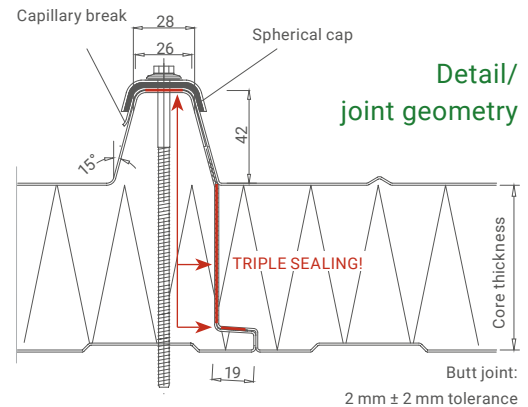
TRAPEZOID PROFILE exterior



Panel type	DP 72	DP 82	DP 92**	DP 102	DP 122	DP 142	DP 162	DP 182	DP 202
Core thickness mm	30	40	50	60	80	100	120	140	160
U-value W/m²K in line with EN 12667 including joint section	0.60	0.46	0.38	0.32	0.24	0.20	0.17	0.14	0.13
U-value W/m²K in line with EN 14509 including joint section	0.73	0.57	0.46	0.39	0.30	0.24	0.20	0.17	0.15
Weight kg/m²	11.4	11.8	12.2	12.6	13.4	14.5	15.2	16.0	16.8

**DP 92 on request

Manufacturing tolerances:	In line with EN 14509
Manufacturing lengths:	Max. 21.5 m (extra-long transport 13.6 m)
Span width tables:	From Dr Wilhelm Pilgram – Vienna
Sound insulation:	26 dB at 80 mm, 27 dB from 100 mm core thickness
Temperature resistance:	90°C

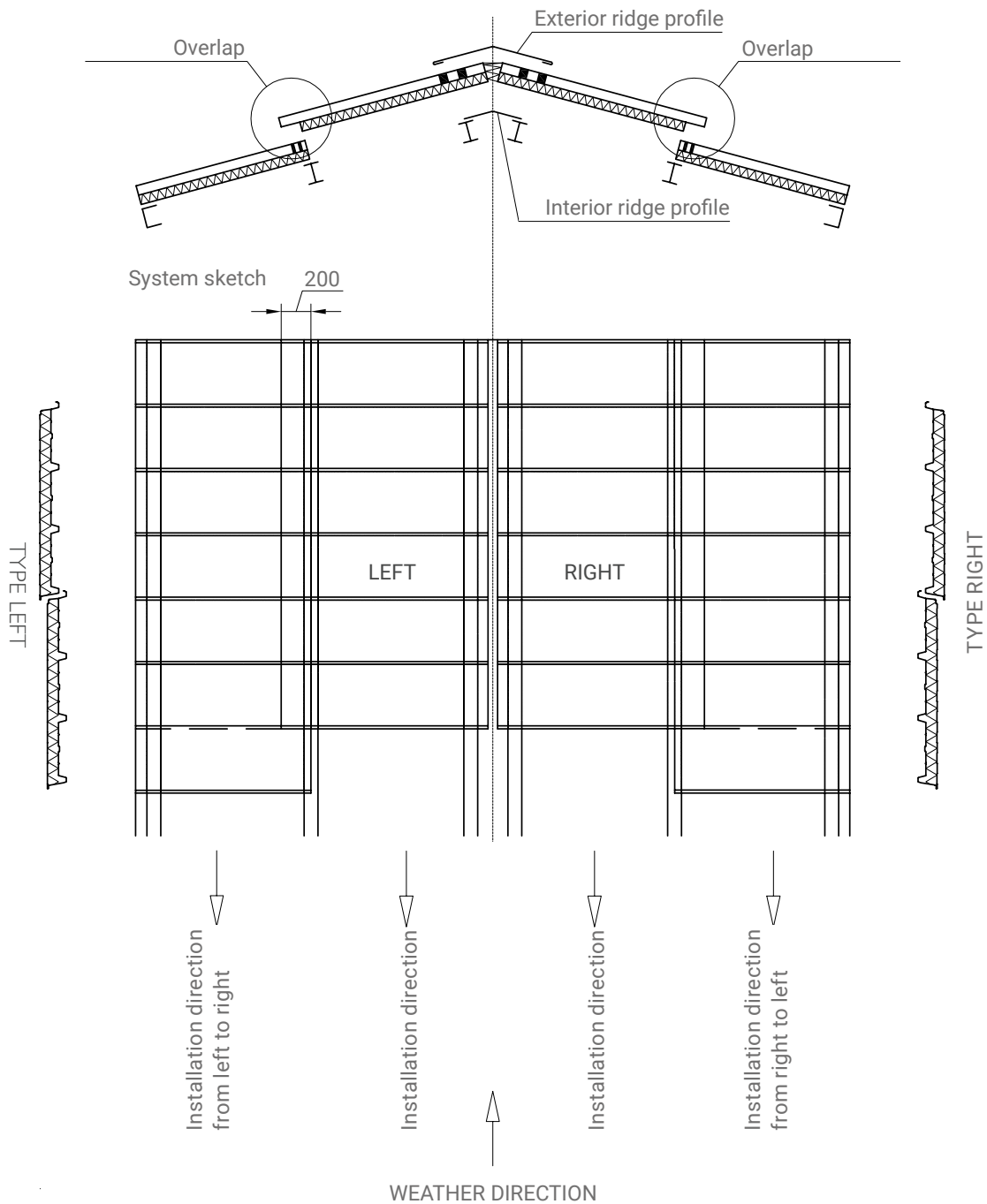


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ROOF ELEMENTS WITH TRANSVERSE JOINT AND OVERLAP

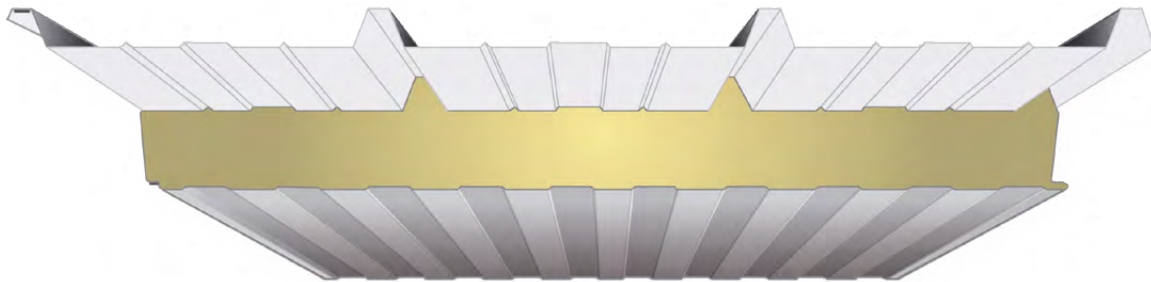
With transverse joints, penetrations or roof lights – minimum pitch 5° (8.6%)



BRUCHA[®]Panel

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SHEET METAL SEPARATION CUT – NOTCHES



A notch in the eave area is recommended in order to rule out any possibility of the sheet metal shell lifting up from the insulation body (available at a surcharge).

Similarly, a drip cap should be fitted in the eave area so as to prevent a capillary effect (only possible on the construction site).

These measures prevent the formation of corrosion between the sheet metal shell and the insulation.

Please state when ordering	Notch length
Notch in eave	60 mm (standard)
Notch for overlap	200 mm (standard)

Possible notch lengths 60, 100, 120, 150, 200 and 300 mm.

TRAPEZOID METAL SHEET 42/333 suitable for DP and DP-F

NOTCH METHOD (viewed from eave):

