

Acoustic roof – DP-A

Standard DESIGN AND SURFACES

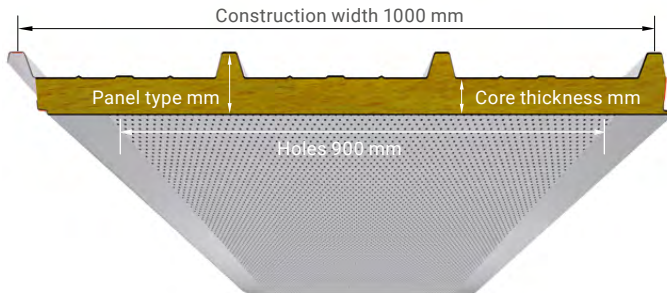
Coil-coated, hot-dip galvanised steel sheet

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 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 2Hole proportion: 32.5 %Bore diameter: 3 mm round bore, offset (5 mm distance)Holes: DIN RV 3-5 (R3T5) (730-000)Metal gauge: 0.6 mm (smaller metal gauge on request)
INSULATION CORE:	<ul style="list-style-type: none">Structural, web-oriented mineral fibre woolSecurely attached to the sheet steel shellDensity approx. 120 kg/m³, 140 kg/m³ available on requestMat: glass fibre mat SM60/10 as trickle protection
FIRE BEHAVIOUR:	<ul style="list-style-type: none">In accordance with EN 13501-1, Euroclass A2s1d0, non-combustible
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 profiles, 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 profile of one roof panel overlaps the profile of the second panel. The included seals offer additional reliability, achieving a reliably tight connection.Capillary break (acc. drawing).
VAPOUR DIFFUSION:	<ul style="list-style-type: none">Determined by climatic conditions inside building. Panels must be installed vapour tight.
PANEL INSTALLATION:	<ul style="list-style-type: none">When working with our products, please follow our installation guidelines at www.brucha.com/downloads.

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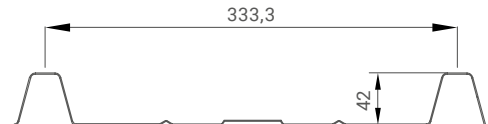
Minimum roof pitch 3° (5.2%) without transverse joint and penetration.

NOISE PROTECTION



TRAPEZOID PROFILE exterior

Cut-out



Panel type	DP-A102	DP-A122	DP-A142	DP-A162	DP-A182	DP-A192	DP-A202	DP-A222	DP-A242
Core thickness mm	60	80	100	120	140	150	160	180	200
U-value W/m²K in line with EN 12667 including joint section	0.61	0.47	0.38	0.32	0.28	0.26	0.24	0.22	0.20
U-value W/m²K in line with EN 14509 including joint section	0.65	0.50	0.41	0.35	0.30	0.28	0.26	0.24	0.21
Weight kg/m²	18.7	20.9	24.4	26.9	29.5	30.8	31.9	33.6	36.3
Fire resistance*	REI 30	REI 60	REI 90	REI 90	REI 90	REI 90	REI 90	REI 90	REI 90

*Certificates must be checked for the usage case in question (horizontal/vertical/span width etc.).

Manufacturing tolerances:	In line with EN 14509
Manufacturing lengths:	Max. 15.6 m (extra-long transport from 13.6 m) ATTENTION! Danger of kinking due to heavy weight in the case of long panels!
Sound absorption coefficient α_w:	0.85 in line with test report MA39-VFA 2008-0448.01
Sound reduction index R_w dB:	~ 32
Sound-absorber class:	B
Approval:	Based on General building inspection approval Z-10.49-610

