BRUCHA panel **DP-F**

roof non-combustible

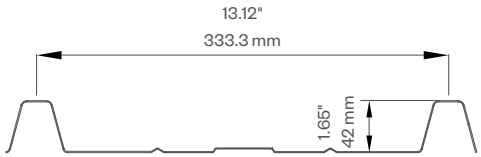
fire protection

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

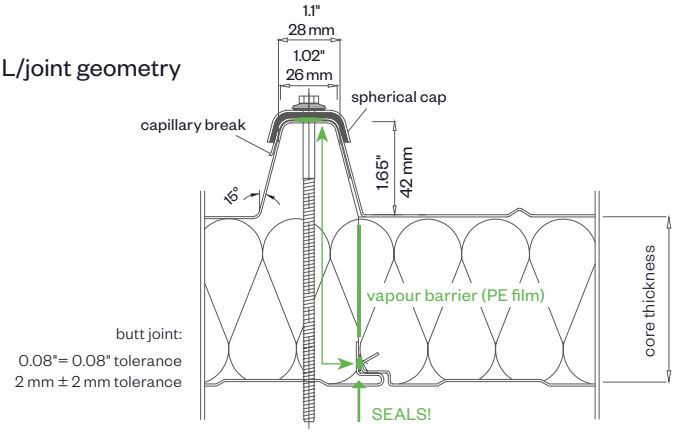
BRUCHA panel DP-F with mineral wool core
can be combined with BRUCHA panel DP with polyurethane core.

TRAPEZOID PROFILE

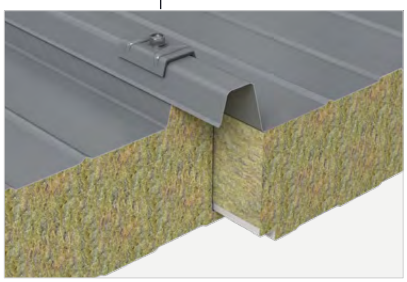
exterior - close-up



DETAIL/joint geometry



symbol image - DP-F



A notch in the eave area is required 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. We recommend to cover the core in the end with (part No. Z 13b) cog sheet.

PANEL TYPE	DP-F 102	DP-F 122	DP-F 142	DP-F 162	DP-F 182	DP-F 192	DP-F 202	DP-F 222	DP-F 242
core thickness in ≈ inch in mm	2.5" 60	3" 80	4" 100	4.5" 120	5.5" 140	6" 150	6.5" 160	7" 180	8" 200
R-value thermal performance	9.5	12	15	17.5	20	22	23	26	29
weight in lb/ft² in kg/m²	3.44 16.80	3.95 19.31	4.47 21.81	4.98 24.31	5.49 26.81	5.75 28.07	6.01 29.32	6.52 31.82	7.03 34.32
fire resistance* ANSI/UL 263, CAN/ULC-S101	---	---	EI 60	EI 60	EI 60	EI 120	EI 120	EI 120	EI 120

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

MANUFACTURING LENGTHS
39' 2" or 11.95 m (44' 3 1/2" or 13.50 m)

R-VALUE
≈ 3.80 per inch @75°F mean temperature

SPAN WIDTH TABLES
according static tables

PERMANENT TEMPERATURE RESISTANCE
176°F/80°C

BRUCHA®

fx fire protection

BRUCHA panel **DP-F** roof non-combustible

DESIGN AND SURFACES Standard - coil-coated, hot-dip galvanised steel sheet

EXTERIOR

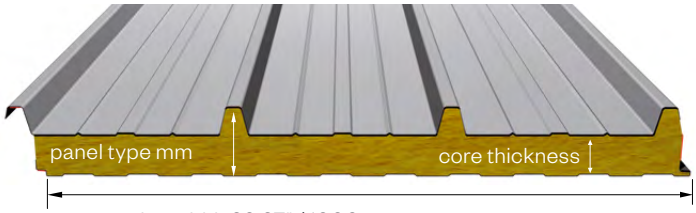
- Exposed side 25 µm polyester coating with a PVC protective film (not UV-resistant - protect from direct sunlight).
  The film must be removed before installation or immediately afterwards.
- profile: trapezoidal profile, 1.65" / 42 mm (according to diagram)
- crown distance: 13.12" / 333.3 mm
- metal gauge: 24 ga / 0.6 mm (smaller metal gauge on request)

INTERIOR

- 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: 24 ga / 0.6 mm (smaller metal gauge on request)

INSULATION CORE

- structural, web-oriented mineral fibre wool
- securely attached to the sheet steel shell
- density approx. 7.50 lb/ft³ or 120 kg/m³, 8.75 lb/ft³ or 140 kg/m³ available on request



construction width 39.37" / 1000 mm

STANDARD COLORS

in accordance with BASIC color range

PANEL CONNECTION

- 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)

TENDER TEXT

download from: brucha.com

EXTERNAL MONITORING

National and international tests and quality standards. We will send the certificates on request.

VAPOUR DIFFUSION

Determined by climatic conditions inside building. Panels must be installed vapour tight.

PANEL INSTALLATION

When working with our products, please follow our installation guidelines at brucha.com/downloads

BRUCHA green point

brucha.com

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