

BRUCHA[®]Panel[®]

PIR+ Facade Premium – FP-P

Concealed mounting

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 6 = Standard, for other profiles see FP-P PROFILE optionsMetal gauge: 0.236in (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 1 = standard (profile 2 and 3 on request)Metal gauge: 0.196in (smaller metal gauge on request)
INSULATION CORE:	<ul style="list-style-type: none">PIR+/polyurethane rigid foam manufactured in continuously foamed process with reduced thermal conductivity of 0.019 W/mK, approx. 95 % closed cells, securely attached to the steel sheetDensity approx. 2.5 lb/ft³, absolutely no chlorofluorocarbons or halogenated chlorofluorocarbons – pentane foam process
FIRE BEHAVIOUR:	<ul style="list-style-type: none">In line with EN 13501-1, Euroclass Bs1d0
STANDARD COLOURS:	<ul style="list-style-type: none">In accordance with BASIC colour range
PANEL CONNECTION:	<ul style="list-style-type: none">Double tongue and groove system in which the special labyrinth profile allows the screw head to be countersunk and fully covered by the next panel – covered, concealed mounting. The integrated seals guarantee maximum wind proofing. The panels interlink precisely with no thermal bridge. The PREMIUM FP-P facade panel offers outstanding structural characteristics, as well as enabling even greater span widths through the use of the pressure distribution plate.
SPECIFICATIONS:	Download from www.brucha.com
EXTERNAL MONITORING:	National and international tests, quality standards



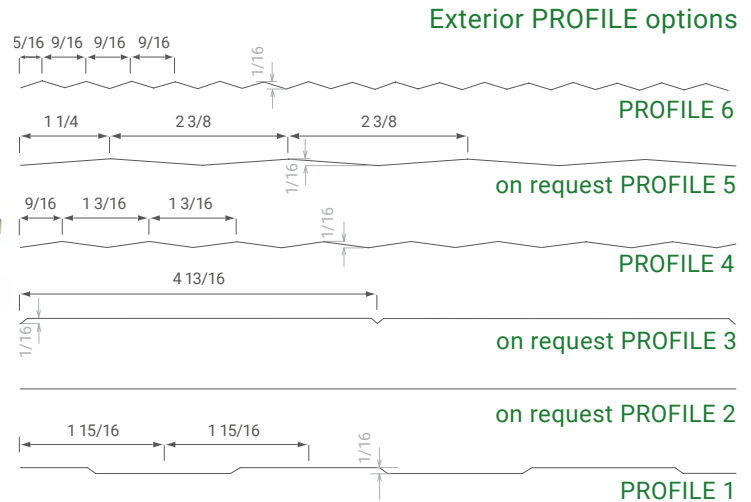
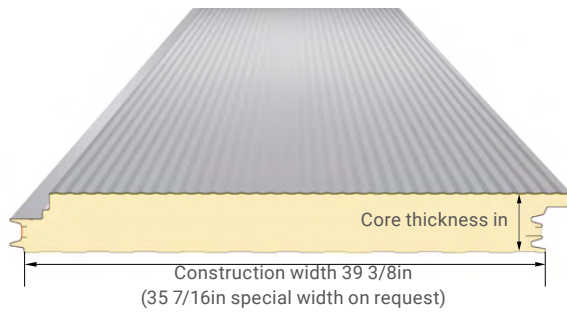
We will be happy to send certificates on request!



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Panel type	FP-P 80	FP-P 100	FP-P 120	FP-P 140	FP-P 160	FP-P 180	FP-P 200
Core thickness (inches)	3 1/4	4	4 3/4	5 1/2	6 1/2	7 1/16	8
R-Value ((sq ft • °F • hr)/BTU; incl. joints)	19.7	25.2	30.5	35.7	41.1	45.8	51.2
Weight (lb/sq ft)	2.83	2.99	3.16	3.32	3.48	3.65	3.81

Detail/joint geometry

Manufacturing tolerances:	In line with EN 14509
Manufacturing lengths:	Max. 52 1/2ft (extra-long transport from 44 5/8ft)
Span width tables:	From Dr Wilhelm Pilgram – Vienna
Sound insulation:	26 dB at 3 1/8in 27 dB from 3 15/16in core thickness
Temperature resistance:	194°F

