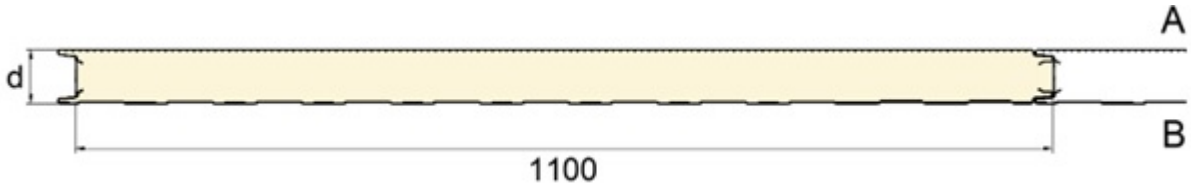
SAB PROFIEL
A Tata Steel Enterprise

TECHNICAL DATA SHEET

SAB Sandwich Wall panels (W40-100)



Thickness	Weight*	U-value	Reaction to fire	Sound insulation
40 mm	9,11 kg/m^2	0,51 W/m²K	B-s2, d0	26dB
60 mm	9,91 kg/m^2	0,34 W/m²K	B-s2, d0	26dB
80 mm	10,71 kg/m^2	0,26 W/m²K	B-s2, d0	26dB
100 mm	11,51 kg/m^2	0,21 W/m²K	B-s2, d0	26dB

*Outer skin steel 0,50 mm
Inner skin steel 0,40 mm

STEEL GRADE
Yield strength minimum 280 N/mm², zinc layer can be Z, AZ, ZA or ZM.

CORE MATERIAL
Fire safe, CFC-, HCFC- and fibre-free polyisocyanurate foam (PIR) with a closed cell structure.

WIND AND WATER TIGHTNESS
$q_{v,10}$ = 0,130 dm3/s according EN 12114
Class B according EN 14509

SUSTAINABILITY
Environmentally relevant product information is published on the SAB-website.

QUALITY CONTROLE
Factory production control according EN 14509 and additional voluntary external production control.

SPANS
Depend on wind loads, deflection limitations and safety factors.
See our SAB-brochure for more information.

STANDARDS
Production according ISO 9001, ISO 14001, ISO 45001 and BES 6001
CE-marking and Declaration of Performance according EN 14509
Tolerances according PPA-Europe Quality Regulations
U-value according EN 14509 including impact of the joint
Steel thickness: EN 10143 is used as a basis for the gauge tolerances, applied to the steel core only and excluding zinc layer and organic coating.

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SAB-profiel bv | Produktieweg 2, NL-3401 MG IJsselstein | Postbus 97, NL-3400 AB IJsselstein
T +31 (0)30 68 79 700 | info@sabprofiel.nl | www.sabprofiel.nl | KvK 30032168
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