

## TECHNICAL DATA SHEET

### SAB-Carrier Sandwich Roof panels (D70-160TL)

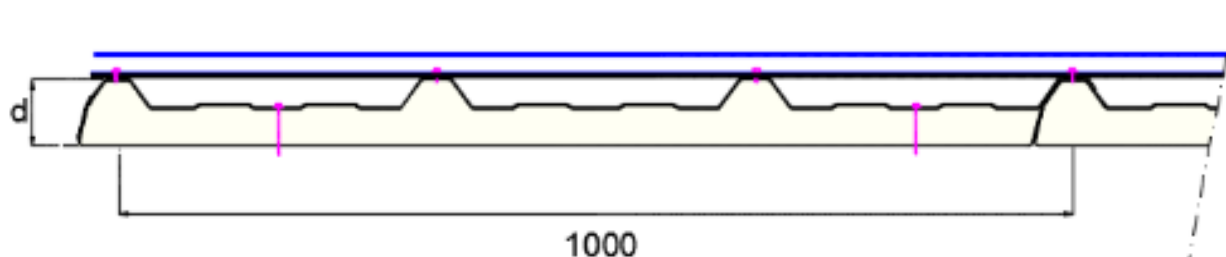
#### APPLICATION

The SAB-Carrier sandwich panels are designed to serve as a support structure for the SAB wall cladding profiles. In this way a building is quick and easily insulated and wind- and waterproof. As an outside finish, every possible SAB type of wall cladding can be mounted.

#### APPROVAL

To get an approval for applying an SAB-Carrier sandwich panel, the following information must be submitted to SAB:

- Facade drawings, including detailed descriptions.
- Mounting and fixing plan of the panels, the sub-construction (for example omega's) and the wall cladding.
- Conditioning of the supporting structure (chosen coating systems, ventilated cavity)
- Wind load and specified safety factor



Thickness	Weight*	U-value	Reaction to fire	Sound insulation
40/70 mm	10,95 kg/m <sup>2</sup>	0,46 W/m <sup>2</sup> K	B-roof	26dB
60/90 mm	11,75 kg/m <sup>2</sup>	0,32 W/m <sup>2</sup> K	B-roof	26dB
80/110 mm	12,55 kg/m <sup>2</sup>	0,25 W/m <sup>2</sup> K	B-roof	26dB
100/130 mm	13,35 kg/m <sup>2</sup>	0,20 W/m <sup>2</sup> K	B-roof	26dB
130/160 mm	14,48 kg/m <sup>2</sup>	0,16 W/m <sup>2</sup> K	B-roof	26dB

\*Outer skin steel 0,63 mm  
Inner skin steel 0,40 mm

### STEEL GRADE

Yield strength minimum 280 N/mm<sup>2</sup>, 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

$q_{v,10} = 0,130 \text{ dm}^3/\text{s}$  according EN 12114

Resistance to driving rain: Class B according EN 14509

### SUSTAINABILITY

Environmentally relevant product information (EPD) are published on [www.sabprofil.com](http://www.sabprofil.com)

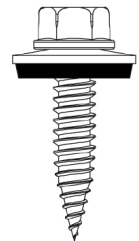
### STRENGTH AND STIFFNESS

The maximum span depends on the wind load, deflection limitations and safety factors.

Our Product Services department can advise you in this.

### FIXATION

For the fixing of the omega profiles in the outer skin of the SAB-Carrier panels an **EJOT® JF3-2-5,5 x 25 – E16** fastener needs to be used. The omega profiles should always be pre-drilled. Minimum number and position of the fasteners according to SAB calculation.



### QUALITY CONTROL

The panels are extensively checked by our own laboratory and a voluntary external quality audit takes place periodically.

### SPANS

Depend on wind loads, deflection requirements, and safety factors. Load tables can be found in our documentation.

### 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.

IJsselstein, June 2025