

# Technical data sheet

## XPS rigid foam board, self-adhesive



Our **XPS rigid foam board sk** guarantees quick and full-surface bonding for composite systems with thermal insulation. The product's base is an extruded rigid polystyrene foam board with a self-adhesive coating on both sides. The adhesive used on the board is a modified acrylate adhesive that has a very high bonding strength, even on difficult surfaces.

### Product properties:

- high thermal insulation
- can be cut to required size
- small tolerances
- compression resistant
- dimensionally stable
- rot-proof
- insensitive to moisture
- climate friendly
- elastic
- closed cell

### Technical data:

#### Extruded rigid polystyrene foam board

Gross density	≥ 30 kg / m <sup>3</sup>	acc. to EN 1602
Fire performance	Euro class E	acc. to EN 13501-1
Water absorption	≤ 1.0 vol% with long-time immersion	acc. to EN 12087
Water vapour diffusion equivalent air layer thickness	3 – 16 m <sup>1</sup>	DIN EN 12086
Dimensional change at 70 °C and 90 % relative humidity	≤ 5 %	EN 1604
Tensile strength	≥ 600 kPa <sup>2</sup>	DIN EN 1607
Application temperature	- 50 °C to + 75 °C	

<sup>1</sup> depends on thickness

<sup>2</sup> 100 kPa = 100 kN/m<sup>2</sup> = 0.1 N/mm<sup>2</sup>

### Tolerances

Length	± 10 mm
Width	± 1 mm
Thickness	± 0.15 mm
Squareness	≤ 5 mm / m

### Adhesive coating

#### solvent-free, modified acrylate adhesive

Release liner	Release paper, yellow	
Bonding strength	21 N / 25 mm	according to AFERA 5001
Adhesive weight	100 g / m <sup>2</sup>	
Resistance to	UV light	good
	aging	good
	water	good

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### Compound

Temperature range	up to 75 °C	
Processing temperature	+ 10 to + 35 °C	
Standard formats	thickness	8, 9, 20, 22, 24, 26, 28, 30, 40, 60, 80, 100 mm
	length x width	3,000 mm x 1,000 mm Custom sizes on request
Resistance to chemicals	water / seawater / saline solutions / alcohols / liquefied inorganic gases / alkaline solutions / weak & diluted acids / bitumen / water-based cold bitumen / lime / cement / gypsum / sand	

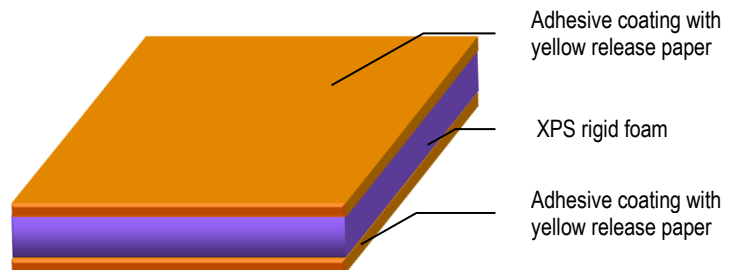
Product range	Thickness [mm]	Compressive strength [kPa]	Tensile strength [kPa]	Rated thermal conductivity [W/(m·K)]
		8 / 9 mm	200	600
	20 mm			
	22 mm			
	24 mm			
	26 mm			
	28 mm			
	30 mm	300	600	0.034
	40 mm			
	60 mm			
	80 mm			
	100 mm			0.037

### Processing information:

The substrate must be dry and free from grease or dust.

Apply uniform pressure to press the board onto the substrate; do not use a roller or similar tool.

No subsequent corrections are possible once the adhesive coating has bonded with the substrate!



### Special information:

We provide this information to the best of our knowledge based on results obtained in practice and trials that were carried out in our company. This information is not binding and does not warrant any characteristics within the meaning of BGH court rulings (BGH – German Federal Court of Justice). This information reflects the knowledge available on the date of publication and is subject to change.

Since our products are suitable for a wide range of applications, we recommend that you use original materials to thoroughly test the product in question to make sure that it fits the purpose before releasing it for further processing. Our application technology department will gladly offer advice and support on all aspects.

All of our products are subjected to strict quality control procedures.

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