

Technical data sheet

**Profi Board Strong (XPS 5.0)**

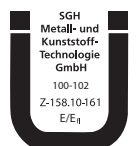
Material	extruded polystyrene	
	33 kg/m <sup>3</sup>	
	5.0 mm	
	0,625 m	
	1,60 m	*gefaltet auf folded onto 0,80 m plié sur
	10 St. = 5.00 m <sup>2</sup>	
Art No.	41100650	



Anforderungen Requirements Exigences		EPLF		Wert Value Valeur
		Mindestanforderung Minimum requirement Exigence minimale	Erhöhte Anforderung Advanced requirement Demande augmentée	
Konstruktion Construction	Eignung für Fußbodenheizung Suitable for floor heating L'aptitude pour le chauffage au sol	<b>R</b>	≤ 0.15 m <sup>2</sup> K/W Gesamtaufbau Overall structure Structure globale	<b>0.140 m<sup>2</sup> K/W</b>
	Wärme-Kälte-Isolierung Insulation against heat and cold Isolation du chaud et du froid	<b>R</b>	≥ 0.075 m <sup>2</sup> K/W	
	Ausgleich von Unebenheiten Compensation for unevennesses Compensation des légères irrégularités	<b>PC</b>	≥ 0.50 mm	<b>~ 3.00 mm</b>
	Feuchteschutz Moisture protection Protection contre l'humidité	<b>SD</b>	≥ 75 m	-
Nutzung Advantages Utilisation	Dynamische Beanspruchung Dynamic Load Contrainte dynamique	<b>DL 25</b>	≥ 10,000 cycles    ≥ 100,000 cycles	<b>&gt; 300,000 cycles</b>
	Statische Beanspruchung Static load Contrainte statique	<b>CS</b>	≥ 10 kPa    ≥ 60 kPa	<b>~ 50 kPa</b>
	Statische Dauerbeanspruchung Sustained static load Contrainte statique permanente	<b>CC</b>	≥ 2 kPa    ≥ 20 kPa	<b>~ 25 kPa</b>
	Stoßbeanspruchung Impact resistance Contrainte due aux chocs	<b>RLB</b>	≥ 50 cm    ≥ 120 cm	<b>~ 110 cm</b>
Akustik Acoustic	Gehschallreduzierung Walking noise reduction Réduction de bruit aérien	<b>RWS</b>	Wert in Entwicklung Value in development Valeur en développement	<b>23 %<sup>†</sup>   4%</b>
	Trittschallverbesserung Impact sound reduction Réduction de bruit d'impacts	<b>IS</b>	≥ 14 dB    ≥ 18 dB	<b>17 dB</b>



<sup>†</sup> according to IHD standard



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### Product description

The "Profi Board Strong" consists of high-insulating, extruded polystyrene foam, grooved. Ideally suited for floating installation under laminate, parquet and cork floors. Can be quickly and easily laid, for a high level of demands for pressure stability and impact sound in highly frequented rooms.

### Product structure

Extruded polystyrene, grooved

### Accountability

Our product is low-emission, protects the environment and health. We recommend the use of low-emission RALUZ 38 wood and wood-based materials.

### Ecology

The product is ecologically safe.

This product can be recycled and can be disposed of with the household waste.

### Processing

Before use, approval from the floor covering and adhesive manufacturer must be obtained. For further information regarding processing read the applicable published instructions from the respective manufacturer.

Lay the individual "Profi Board Strong" sheets bluntly adjacent to each other with the grooved side facing downwards.

If necessary trim to the required size using a cutting tool. To guarantee a good result the layers should be sealed with aluminium-coated adhesive tape for lower layers.

We recommend the additional application of high-quality PE moisture barrier foil with an SD value > 100 m if there is increased construction moisture. Not suitable for underfloor heating.

### Occupational health and safety

The product does not require any special occupational safety measures. When installing the floor coverings, it is essential that the manufacturer's protection specifications are observed.

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### Technical specifications

<b>d</b>	Thickness 5 mm (± 0,5 mm)	
<b>AW</b>	Surface weight	
<b>l</b>	Length 80 cm	DIN EN 822
<b>w</b>	Width 62.5 cm	DIN EN 822
<b>R</b>	Insulation against warmth and cold 0.14 m <sup>2</sup> K/W (40°C)	acc. to DIN EN ISO 12667
<b>PC</b>	Compensation for unevenness ~ 3.00 mm	acc. to EN ISO 868 + A.3.6
<b>SD</b>	Moisture protection n.a.	DIN 52615 / DIN EN 12086
<b>DL25</b>	Dynamic load > 300.000 cycles	acc. to CEN/TS 16354
<b>CS</b>	Static load ~ 50 kPa	acc. to EN 826 + A.3.7
<b>CC</b>	Sustained static load ~ 25 kPa	acc. to EN 1606 + A.3.8
<b>RLB</b>	Durability ~ 110 cm	acc. to EN 13329:2009
<b>RWS</b>	Walking noise reduction 4 %	EPLF Norm WD 021029-5 House measurement, norm laminate EPLF
<b>IS</b>	Impact noise reduction 17 dB	with laminate) acc. to DIN EN ISO 140-8 / 717-2
<b>RTF</b>	Fire classification E/Efl	E/Efl acc. to DIN EN 135011 : 2007 + A1 2013 for installation on wooden or wood-based substrates (bulk density > 300 kg/m <sup>3</sup> ) and solid mineral substrates

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The above figures are based on the current knowledge level and state of the art technological development.

We do not claim that the following information is complete. Technical data subject to change.

All previous product data sheets cease to be valid.