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TILUX LINE

1/4

Shower board suitable for tiling with built-in gradient for line drainage



Technical properties of raw foam

Expanded polystyrene hard-foam core (EPS)

Properties	Test according to	Unit	Result
Raw density	EN 1602	g/m ³	60 kg/m ³
Bending stress	EN 12089	kPa	520 kPa
Fire characteristics	DIN 4102		Low flammability
Fire class	EN 13501-1		B1
Heat conductivity	EN 12667	W/mK	0.035
Compression force (at 10 % compression)	EN 826	kPa	500

Technical properties of shower element with sealing film

Properties	Test according to	Result
Visible faults	DIN EN 1850-2 (5)	None
Plate geometry, linearity, flatness	DIN EN 822 (7) to 825 (10)	Length/width +/- 4 mm Thickness +/- 1 mm Orthogonality S _b 4 mm S _d 2 mm Linearity a _{max} 4 mm Flatness S _{max} 0.5 mm
Determining the mass per area	DIN EN 1849-2 (10)	3.80 +/- 0.35 kg/m ² (at a thickness of 50 mm)
Water tightness	DIN EN 12390-8 (11)	Tight
Resistance against impact stress	Dropping weight (Diameter 40 mm, 1,000 g from 300 mm height)	Tight
Storage in potash lye	DIN EN 1847	Tight
Dry strength	DIN EN 1348 (3)	k = 0.26 N/mm ² , x = 0.30 N/mm
Wet strength	DIN EN 1348 (3)	k = 0.24 N/mm ² , x = 0.28 N/mm
Frost resistance	DIN EN 1348 (3)	k = 0.20 N/mm ² , x = 0.26 N/mm
Temperature/ ageing resistance	DIN EN 1348 (3)	k = 0.20 N/mm ² , x = 0.21 N/mm
Chemical resistance Lactic acid (5% by weight)	DIN EN 1348 (3)	k = 0.22 N/mm ² , x = 0.27 N/mm
Chemical resistance Acetic acid (5% by weight)	DIN EN 1348 (3)	k = 0.21 N/mm ² , x = 0.26 N/mm
Chemical resistance Nitric acid (5% by weight)	DIN EN 1348 (3)	k = 0.20 N/mm ² , x = 0.30 N/mm
Water tightness when installed		Tight 20 cm water column

Shower board suitable for tiling with built-in gradient (unidirectional or in four directions), factory-mounted, firmly attached, continuous, deep-drawn sealing film with overlap and line drainage (shower channel).



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Shower board suitable for tiling with built-in gradient for line drainage

The shower boards of the TILUX Line are available with drainage channels in the following lengths:

Shower board format / channel length (unidirectional incline)

40 x 40 x 3.0 cm / 30 cm (sample size)

90 x 90 x 4.0 cm / 80 cm

90 x 120 x 4.5 cm / 80 cm

90 x 150 x 4.5 cm / 80 cm

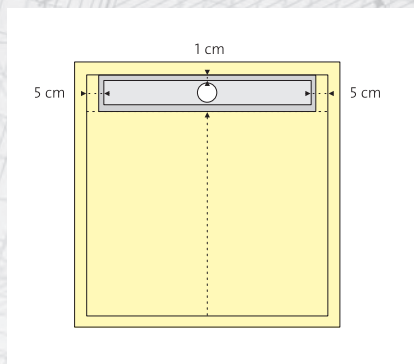
100 x 100 x 4.0 cm / 90 cm

100 x 120 x 4.5 cm / 90 cm

100 x 150 x 4.5 cm / 90 cm

120 x 120 x 4.5 cm / 110 cm

120 x 150 x 4.5 cm / 110 cm



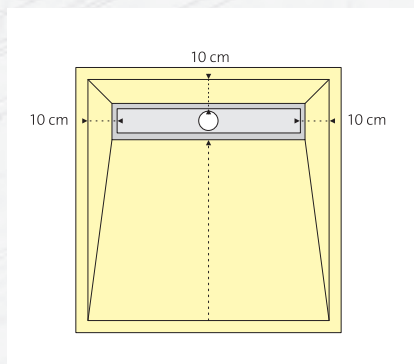
Board size / channel length (incline in four directions)

50 x 50 x 3.0 cm / 30 cm (sample size)

90 x 90 x 4.0 cm / 70 cm

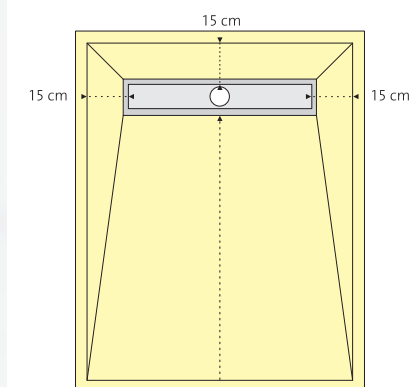
100 x 100 x 4.0 cm / 80 cm

120 x 120 x 4.5 cm / 100 cm



90 x 120 x 4.5 cm / 60 cm

90 x 150 x 4.5 cm / 60 cm



The following generally applies to all versions/formats:

Sealing film overlap on top 7.5 cm on all sides, bottom part flush without overlap

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Installation of impact sound insulation as well as edge insulation strips, e.g. DURABASE SW impact noise insulation, must be considered for impact-noise insulated floor superstructures.

Delivery scope

- Shower board with integrated channel holder and permanently attached, continuous sealing layer (made of a single part, deep-drawn) that has a circumferential overlap of 7.5 cm to ensure bonded water-proofing
- Polished stainless steel drain channel with spacer platelets for individual adjustment to the tile thickness (6, 9, 12, 15, 18 and 21 mm – facilitates height adjustments even after the installation of the shower board)
- Drain with fluff filter and odour seal in a separate carton
- Channel cover in separate carton
- Spacer for channel covers (designer grids, tile recess)

Optionally available (recommended) accessories

- Edge insulation strips
- Foundation element 7 cm or 11 cm for even easier installation
- DURABASE WP sealing strip
- DURABASE WP inside corners, outside corners, pipe connection sleeve, DURABASE WP sealing strip for sealing the mat joints
- Flexible hose DN 50, 800 mm long

Technical properties

Can withstand wheel chair loads from a minimum tile size of 100 x 100 mm
(Glass) mosaic available from minimum tile size 20 x 20 mm (not suitable for wheel chairs)

The minimum superstructure height depends on the drain/board strength
(4.0 cm or 4.5 cm plus drainage height equals the minimum superstructure height)

65 mm horizontal drain DN 40/50: 105 or 110 mm

75 mm horizontal drain DN 40/50: 115 or 120mm

85 mm horizontal drain DN 40/50: 125 or 130 mm

95 mm horizontal drain DN 40/50: 135 or 140 mm

105 mm horizontal turbo-drain with ball joint DN 50: 145/150 mm

105 mm vertical turbo-drain with ball joint DN 50: from 40 mm

option for injection-based installation (drain and drainage pipe),

otherwise 145/150 mm

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Drain performance according to DIN 1253:

- 65 mm horizontal drain DN 40/50: 0.42 l/s
- 75 mm horizontal drain DN 40/50: 0.44 l/s
- 85 mm horizontal drain DN 40/50: 0.46 l/s
- 95 mm horizontal drain DN 40/50: 0.48 l/s
- 105 mm horizontal turbo-drain with ball joint DN 50: 0.72 l/s
- 105 mm vertical turbo-drain with ball joint DN 50: 0.72 l/s

Materials

- | | |
|---------------------------|--|
| Hard foam core: | EPS |
| Channel carrier: | Galvanised steel sheet |
| Sealing film: | Inside sealing membrane:
Polyethylene film 0.2 mm according to ETAG 022
with fleece lamination made of polypropylene on both sides |
| Drains: | Polypropylene (PP) |
| Drain channel: | 1.4301 stainless steel |
| "Standard" designer grid: | 1.4301 stainless steel - 1.42 mm material thickness |
| "Solid" designer grid: | 1.4301 stainless steel with solid stainless steel plate, 240-k
fine polish type with 3.1 mm material strength |
| Tile recess: | Natural-style 1.4301 stainless steel |
| Spacer grid/recess: | Black polymer |

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