

LeakSeal® Sealing Membrane

3 ply reinforced waterproofing membrane for floors & walls



LeakSeal® Sealing Membrane is a 3-ply waterproofing membrane designed to protect floors & walls under thin-set tile installations from substrate cracks & moisture migration. Applied onto our LeakSeal® Cementitious 2K Flexible Waterproofing compound before application of tile adhesive & tile installation as a complete system.

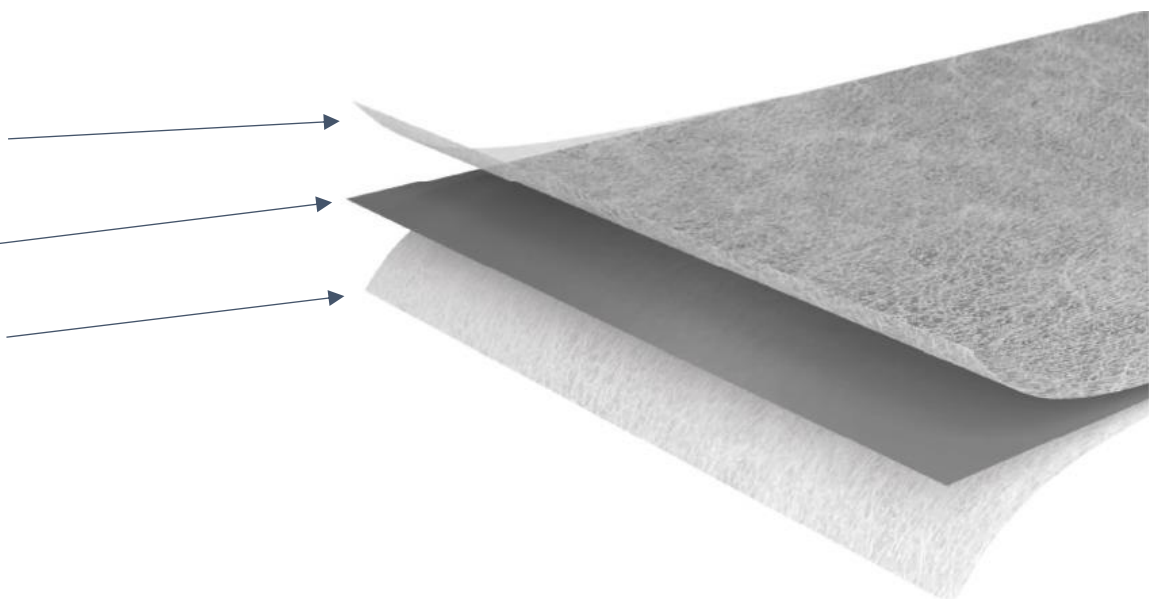
Intended Uses

- LeakSeal® Sealing Membrane to be applied over adhesive (LeakSeal® Cementitious 2K Flexible Waterproofing) before application of tile adhesive + tiles/mosaics or natural stones for perfect waterproofing.
- Suitable for medium loads of non-pressurized water indoors (e.g domestic bathrooms)
- System application onto brick, concrete & plaster only.

Substrate Top:
Polypropylene Non-Woven

Membrane: (modified)
Low Density Polyethylene

Substrate Bottom:
Polypropylene Non-Woven



Waterproofing

A technical data sheet is a quality document whose values and tolerances were determined using one or more representative pilot productions. This sheet has a minimum validity of 12 months and will then be revised based on the insights gained in the meantime. The technical information and application instructions are based on our experience and present knowledge. However, it is each users own responsibility to make trials with the original substrates in order to verify the suitability of our products for the intended purpose, taking into consideration all application related parameters. Please contact us if you have any further questions. Made in Europe.

Technical Data

Colour	Grey		
Resistance To Temperature: min. / max.	-30°C / + 90°C		
Physical Properties (approx.)	DIN	Value	Tolerance
Max. Total Width	Internal	1000 mm	+/- 5 mm
Thickness	Internal	0,5 mm	+/- 0,1 mm
Total Weight	Internal	200 g/m ²	+/- 20 g/m ²
Length Per Roll	Internal	30 Metres	- 0,0 m / +1%
Breaking Load Longitudinal	DIN EN ISO 527-3	270 N / 50 mm	≥ 200 N / 50 mm
Breaking Load Lateral	DIN EN ISO 527-3	170 N / 50 mm	≥ 100 N / 50 mm
Extension Break Longitudinal	DIN EN ISO 527-3	60 %	≥ 30 %
Resistance To Tearing Longitudinal	DIN EN 12310-2	65 N	≥ 25 N
Resistance To Tearing Lateral	DIN EN 12310-2	110 N	≥ 70 N
Resistance To Water Pressure	DIN EN 1928 (Version B)	≥ 1,5 bar	
UV-Resistance	DIN EN ISO 4892-3	≥ 450 h	
Moisture Vapour Resistance Air Equivalent (sd)	DIN EN 1931	≥ 75 m	
Bonding Strength	DIN EN 1348	0.5 N / mm ² *	≥ 0,2 N / mm ² *
Burst Pressure	Internal	≥ 2,0 bar	
Fire Classification	DIN EN 4102	B2	

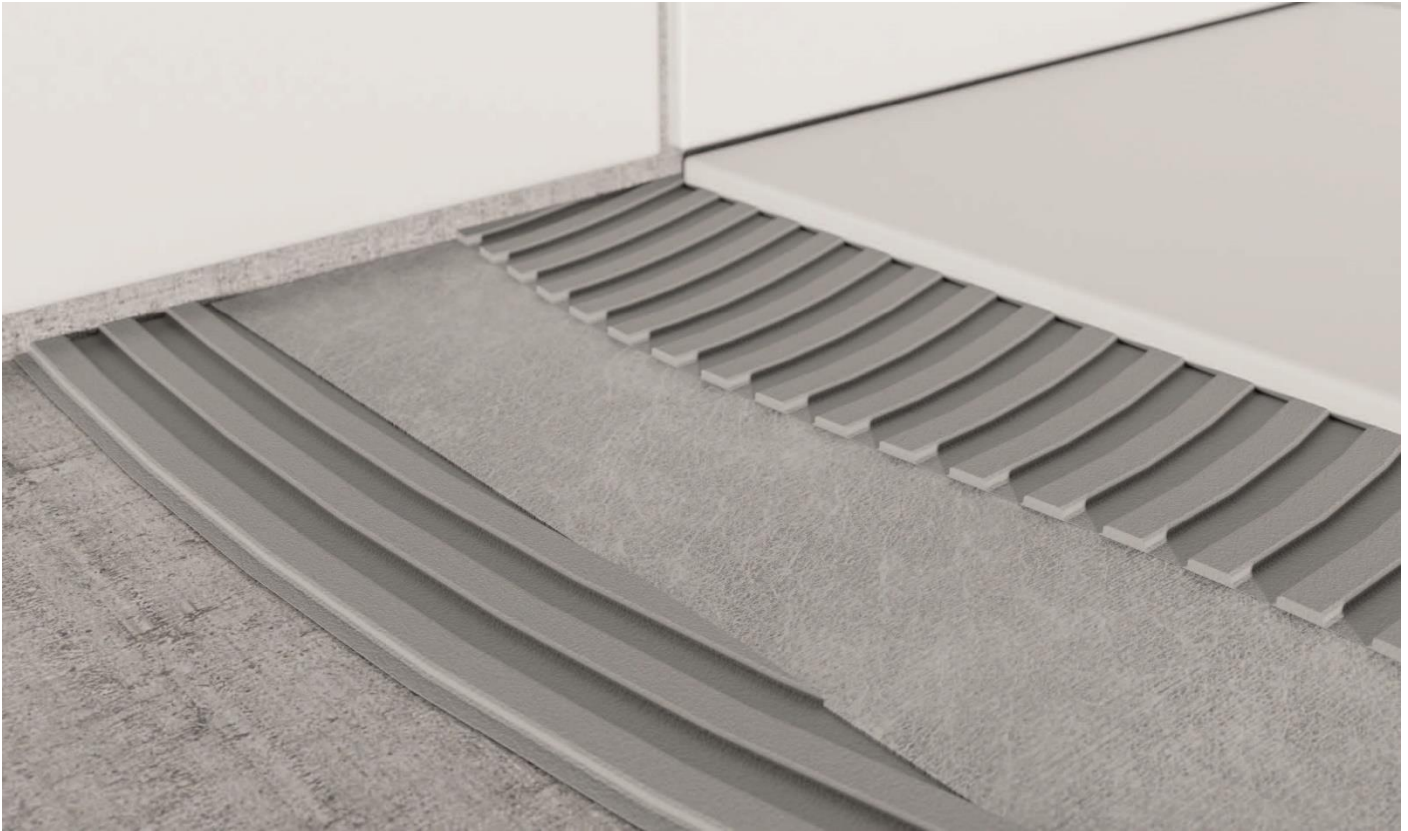
Chemical Properties	Resistance after storage over 7 days by room temperature in following chemicals	+ = resistant 0 = weakened - = non resistant
Hydrochloric Acid 3 %	Internal	+
Sulphuric Acid 35 %	Internal	+
Citric Acid 100 g/l	Internal	+
Lactic Acid 5 %	Internal	+
Sodium Hypochlorite 0,3 g/l	Internal	+
Salt Water (20 g/l Sea water salt)	Internal	+
Potassium Hydroxide 3 % / 20 %	Internal	+ / +
Alkali	Regulations according to ETAG 022 16 weeks	+

Certified according to	Certified according to DIN EN ISO 9001: 2015 Made in Europe
Classification according to	EMICODE emission class EC 1 PLUS, VOC-regulation A +
Warranty	5 years warranty for the guaranteed product qualities
Storage	Cool and dry, protect against sunlight, use within 24 months after receipt

Waterproofing

A technical data sheet is a quality document whose values and tolerances were determined using one or more representative pilot productions. This sheet has a minimum validity of 12 months and will then be revised based on the insights gained in the meantime. The technical information and application instructions are based on our experience and present knowledge. However, it is each users own responsibility to make trials with the original substrates in order to verify the suitability of our products for the intended purpose, taking into consideration all application related parameters. Please contact us if you have any further questions. Made in Europe.

Application Information

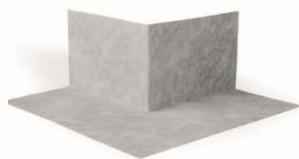


Please Note: System must only be applied onto brick, concrete & plaster.

System Components:



Inside Corner



Outside Corner



Floor Collar

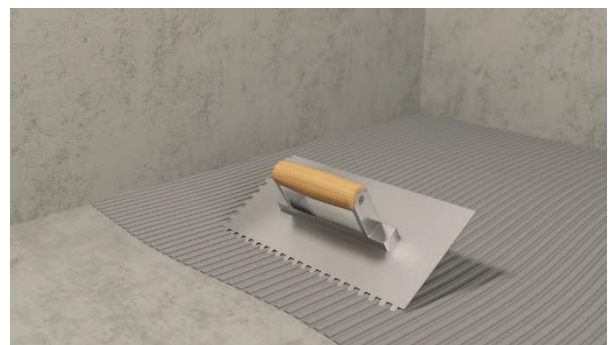


Wall Collar

Step 1:

Trim the LeakSeal® Sealing Membrane to the size of the floor being covered.

Prepare the floor & apply LeakSeal® Cementitious 2K Flexible Waterproofing compound with a (6 mm x 6 mm) toothed trowel.



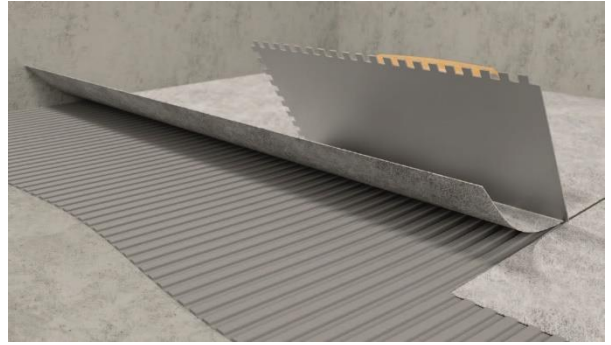
Waterproofing

A technical data sheet is a quality document whose values and tolerances were determined using one or more representative pilot productions. This sheet has a minimum validity of 12 months and will then be revised based on the insights gained in the meantime. The technical information and application instructions are based on our experience and present knowledge. However, it is each users own responsibility to make trials with the original substrates in order to verify the suitability of our products for the intended purpose, taking into consideration all application related parameters. Please contact us if you have any further questions. Made in Europe.

Step 2:

Apply the LeakSeal® Sealing Membrane to the ground in a precise and edge-to-edge direction and smooth it towards the edges.

Avoid air inclusions, residues, and overlaps!



Step 3:

After installing the LeakSeal® Sealing Membrane, apply the sealing tapes and corners and continue according to the installation instructions of sealing products.



Step 4:

The joints must be covered with a sealing tape (e.g LeakSeal® Butylen Waterproofing Tape) and LeakSeal® Sealing Membrane material.

Mix the tile adhesive (min C2) and apply it onto the LeakSeal® Sealing Membrane with a suitable toothed trowel. (for mosaics please apply a load distribution layer). It is now possible to start laying the tiles without further waiting times.

