

PCI LASTOGUM

Waterproof, flexible protective coating for use below ceramic coverings in showers and bathrooms

Uses

- Liquid area waterproofing to be applied by roller, brush or trowel.
- For indoor use.
- For walls and floors.
- For moisture-resistance grade I and II, in accordance with the ZDB leaflet "Notes for the application of waterproofing coatings, directly under tiles for indoor and outdoor use".
- Resistance class A1 in accordance with the test principles to issue an official test certificate.
- For wet areas not exposed to pressurised water, such as bathrooms, showers in residential buildings, hotels, old people's homes and hospitals.
- On moisture-sensitive, absorptive substrates, e.g. plasters, plaster slabs, gypsum fibre boards, plaster boards, wooden chipboards, anhydrite screeds in moist and wet areas subject to usual domestic use.
- On absorptive mineral substrates, e.g. concrete, screed, render, aerated concrete, cementitious leveling compounds for walls such as Mastertop 528.



Application of undiluted PCI Lastogum to the substrate by roller, brush or trowel.

User benefits

- Waterproof, protects moisture-sensitive substrates.
- Deformable, compensates tensions, deformations of the substrate, fluctuations in temperature and vibrations.
- Crack-bridging, high reliability even with subsequent cracks in the substrate.
- Ready-to-use, easy to apply by roller, brush or trowel.
- Resistant to lime water, ensures bonding between protective coating and mortar if the adhesive bed is constantly submerged in water.
- Solvent-free, ecologically harmless, can be used without any risk to health.
- Two colour application, with the primary application acting as signal coat for the second coat to ensure complete coverage.
- With official Test Certificate by the Technical University of Munich for interior waterproofing under PCI Nanolight.

Technical Data Material

Material base	solvent-free synthetic resin dispersion
Components	1-part
Density approx.	1.5 g/cm ³
Control colour	grey / pink
Marking according to	
- Ordinance on Hazardous Goods /Road	non hazardous
- Ordinance on Hazardous Substances	not subject to marking
<i>For further information refer to paragraph Safety.</i>	

Packaging

PCI-Lastogum grey / pink

4 kg plastic pail, 8 kg plastic pail, 15 kg plastic pail,

*25 kg plastic pail

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Storage

cool and dry, but frost-free

Shelf life

approx. 12 months

Substrate preparation

The substrate must be solid, dry (cementitious screed 4%, anhydrite pourable screed 0.5%, measured with the CM meter), clean and free from oil, grease and other residues, any deleterious materials should be removed by sand-blasting, brushing or shot-blasting (Blastrac) if necessary. The prepared surface must not have any pockets, gaping cracks or ridges. Prime gypsum-based substrates and plaster boards beforehand with undiluted PCI-Gisogrund. Absorptive mineral substrates are to be primed with PCI- Gisogrund, diluted 1 : 1 with water. Prime dry, tightened chipboards, with PCI- Wadian. The primers must be cured prior to the application of PCI-Lastogum.

Application

Consumption with 2 coats:

- moisture-resistance class I (acc. to the ZDB leaflet and/or resistance class A1 acc. to test principles)	approx. 1 to 1.2 kg/m ² (Δ approx. 0.75 l/m ²)
- moisture-resistance class II (acc. to ZDB leaflet)	approx. 1.5 kg/m ² (Δ approx. 1.0 l/m ²)
Thickness of wet film	
First and second coat:	min. 0.4 mm each
Working temperature	+5°C to +30°C (substrate temperature)
Evaporation time after first coat*	approx. 1 hour
Evaporation time after second coat* ready for subsequent tiling	approx. 1 to 2 hours
Minimum consumption for two coats	approx. 1 to 1.2 kg/m ²

*At +23°C and 50% relative humidity. Higher temperatures reduce and lower temperatures increase these times.

Coverage

	*4 kg pail is sufficient for approx	8 kg pail is sufficient for approx	15 kg pail is sufficient for approx	*25 kg pail is sufficient for approx
- for one coat (applied by roller, brush or trowel)	8 m ²	16 m ²	30 m ²	50 m ²
- for two coats (applied by roller, brush or trowel)	4 m ²	8 m ²	15 m ²	25 m ²

Application

1. Apply undiluted PCI-Lastogum by roller (lambskin roller), brush (wall brush, float), or trowel to the substrate to cover the entire area. The first coat of PCI-Lastogum should be applied.

2. Place PCI-waterproofing gasket (wall) and/or PCI-waterproofing gasket (floor) over pipe culverts and floor drains, PCI sealing tape 120 in corner joints and floor/wall junctions to be integrated in the first coat of PCI

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3. Lastogum. Any projecting edges of the fabric are to be covered by the second coat.
4. After the first coat is dry apply the second coat of PCI-Lastogum. The first coat should no longer be visible.

After curing, tiles and flags can be laid with an appropriately specified PCI Adhesive over PCI Lastogum on vertical and horizontal areas. Calibrated natural stone should be applied with PCI Carraflot.

Priming:

1. Prime absorptive mineral or gypsum-based substrates and plaster boards with PCI-Gisogrund.
2. Apply undiluted PCI Lastogum to the substrate as a first protective coating to cover its entire surface.
3. Fix the PCI-waterproofing tape 120 with PCI-Lastogum in corner joints and floor/wall junctions.
4. Place the PCI-waterproofing gasket (wall) over the pipe connection that protrudes through the wall and cover with PCI Lastogum.
5. After an evaporation time of 2-3 hours dependent on ambient temperature apply the second protective coating of PCI Lastogum.
6. After the waterproofing PCI Lastogum is dry, tiles and flags can be laid with a suitable PCI tile adhesive.

Note

- PCI-Lastogum is not recommended for outdoor use and waterproofing in swimming pools.
- Do not apply PCI-Lastogum at substrate temperatures below +5°C and above +30°C.
- Apply plaster and screed to cover the entire surface even around bathtubs.
- The protective coating can be exposed to foot traffic after 2 hours at the earliest when applying two coats.
- Fixtures can be integrated into the waterproof protective coating PCI-Lastogum by means of the PCI-waterproofing gasket
- The PCI waterproofing gasket (wall) must waterproof around the pipe (not around the plug which will be removed later), otherwise the pipe must be extended beyond the waterproof area by inserting a spacer.
- Tools should be washed with water immediately after use. Once the product has cured it can only be removed by mechanical means.

Shelf life

approx. 12 months if stored in a cool and dry, but frost-free location.



The Chemical Company

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Safety

General information on dispersion products

Do not allow dispersion to dry on the skin. Remove dried dispersion with soap and water. Protect eyes if there is risk of splashing. In case of eye contact, thoroughly flush with water. If the eye irritation does not ease off within a few minutes, get prompt medical attention.

For further information refer to the PCI Material, Safety Data Sheet.

In view of widely varying site conditions this data sheet is meant to provide general application guidelines only. Any recommendation or information issued by us constitutes a preliminary and accessory contractual obligation only. Users must satisfy themselves regarding the applicability of the content to their own particular requirements. Please contact our Advisory Service for special requirements. Liability is accepted for incomplete or incorrect particulars in our information material only in the event of intent or gross negligence, without prejudice to claims under product liability laws. All transactions are subject to our Terms of Sale and Supply. Any subsequent publication supersedes this edition.

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