

Wash primer / protective primer

PCI Gisogrund[®]

for walls and floors

520

FIELDS OF APPLICATION

- For indoor and outdoor use.
- For walls and floors.
- Acting as a moisture barrier and primer for plaster, plaster slabs, gypsum fibre boards, plaster boards, aerated concrete, concrete, asphalt, render and brickwork before tiling and wallpapering.
- Primer for anhydrite screeds and building boards.
- Primer for aerated concrete, sand-lime brick, brickwork and concrete on walls prior to the application of plaster and lime plastering.
- Primer for mastic asphalt screeds prior to the application of PCI tile adhesives.
- Priming prior to the application of self-levelling floor levellers, e.g. PCI Periplan, PCI Periplan fein and other mortars and anhydrite screeds which set through hydration.



PCI Gisogrund protects levelling compound and thin-bed mortar from too rapid dehydration, extends the open time, helps improve adhesion and prevents the formation of cracks caused by shrinkage.

- Primer to strengthen mealy, absorbent screed surfaces and plasters indoors prior to the laying of tiles and mosaic.
- For priming absorbent substrates to protect subsequent materials from too rapid dehydration.



FEATURES AND BENEFITS

- **Solvent-free**, no damage to environment and operative by solvent vapours. No danger of fire or explosion. No harmful vapours.
- **Improves the strength and solidity** of substrates and helps increase adhesion of tiles, plasters and wallpapers.
- **Secure adhesion**, PCI tile adhesives provide a good bond to PCI Gisogrund.
- **Allows easy removal** of wallpapers.
- **Protects thin-bed mortars and levelling compounds** from too rapid dehydration, extends the open time, improves adhesion and prevents formation of cracks caused by shrinkage.
- **Prevents formation of air bubbles** and too rapid dehydration when levelling floors with PCI Periplan or PCI Periplan fein.
- Complies with the guidelines issued by the German Gypsum Industry Association and the recommendation **DIN 18 157-1**.

TECHNICAL DATA

MATERIAL

Material base	modified acrylic resin dispersion
Components	1 part
Density	approx. 1.0 g/cm ³
Control colour	blue
Labelling for	
- Regulation for hazardous goods on roads	non hazardous
- Regulation for hazardous substances	no labelling requirement for this product
<i>For further information refer to Health and Safety.</i>	
Shelf life	min. 12 months
Storage	in dry conditions, no permanent storage over +30°C, but not below -10°C. Frozen PCI Gisogrund should be slowly thawed and stirred thoroughly.
Packaging	200 ltr container 20 ltr pail 10 ltr pail 5 ltr pail 1 ltr bag

APPLICATION

Substrate	Consumption		Mixing ratio	
Gypsum based substrates; anhydrite screeds, mastic asphalt screeds, xylolith screeds; screeds with old adhesive residues	approx. 80 to 150 ml/m ²		undiluted	
Absorbent mineral substrates, e.g. concrete, sand-cement screeds, gauged renders, aerated concrete, limestone or similar	1 st coat	diluted 1 : 1 with water		
	2 nd coat	diluted 1 : 1 with water		
Coverage	20 ltr pail	10 ltr pail	5 ltr pail	1 ltr bag
Gypsum based substrates; anhydrite screeds, mastic asphalt screeds, xylolith screeds; screeds with old adhesive residues	sufficient for approx. 130 to 250 m ²	sufficient for approx. 65 to 125 m ²	sufficient for approx. 33 to 62 m ²	sufficient for approx. 6.5 to 12.5 m ²
Absorbent mineral substrates, e.g. concrete, sand-cement screeds, gauged renders, aerated concrete, limestone or similar	100 - 200 m ² for one coat;	50 – 100 m ² for one coat;	25 - 50 m ² for one coat;	5 – 10 m ² for one coat;
	74 – 130 m ² for two coats	37 – 65 m ² for two coats	19 – 33 m ² for two coats	3.7 – 6.5 m ² for two coats
Working temperature	+5°C to +30°C (substrate temperature)			
Curing times*	approx. 30 – 60 minutes			
- walkable after	approx. 30 – 60 minutes			
- 2 nd coat after	approx. 60 – 180 minutes			
- ready for further application after	(depending on the absorbency of the substrate as well as temperature and humidity).			
Temperature resistance of cured film	-20°C to +80°C			

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

PREPARATION OF SUBSTRATE

- The substrate must be sound, clean and able to bear weight. Oil stains, bond-breaking residues such as waterproof adhesive residues, cement paste and dirt must be thoroughly removed. Newly applied cement screeds must not have a moisture content above 4%, ground anhydrite and/or gypsum based screeds not more than 0.5% (measured with CM meter).

APPLICATION PROCEDURE

- **Priming and strengthening of gypsum based substrates, anhydrite, mastic asphalt and xylolith screeds as well as screeds with old adhesive residues (not suitable with water soluble adhesive residues, e.g. sulphite liquor adhesives)**

- 1 Stir PCI Gisogrund well prior to the application (shake well 1 litre bag).
- 2 Apply a sufficient quantity of undiluted PCI Gisogrund by brush or float to achieve a uniform coat. Avoid puddles forming!
- 3 Check strengthening and curing by scratching the surface. Do not apply tile adhesive, wallpaper, paint, plaster PCI Periplan or PCI Periplan fein until PCI Gisogrund has completely cured.

- **Priming and strengthening of absorbent mineral substrates, e.g. concrete, sand-cement screeds, gauged renders, aerated concrete, limestone or similar**

- 1 Stir PCI Gisogrund well (shake well 1 litre bag), dilute 1 : 1 with water and mix thoroughly.
- 2 Apply a sufficient quantity of diluted PCI Gisogrund by brush or float to achieve a uniform coat.
- 3 In case of very absorbent substrates it is recommended to apply a second coat of PCI Gisogrund, diluted 1 : 1 with water to achieve a more intensive strength and to avoid bubbles forming. Do not apply the second coat until the first one has completely cured.
- 4 After the primer has cured (scratch proof) apply tile adhesive, wallpaper, paint, plaster or PCI Periplan or PCI Periplan fein.

PLEASE NOTE

- Do not apply at temperatures below +5°C and above +30°C.
- In case of partial tiling the entire wall area should be primed (e.g. behind the bathtub or above the tile covering).
- Prior to wallpapering on plaster/render, gypsum plasterboards etc. apply only one coat of PCI Gisogrund, diluted 1:1 with water (consumption: approx. 100 to 140 ml of diluted mix per m²).
- When wallpapering on substrates which were primed with PCI Gisogrund the curing time of the wallpaper paste slows down. Do not paint over woodchip wallpaper etc. before the paste has completely cured.
- PCI Gisogrund can be diluted 1 : 2 with water for the first coat on very absorbent substrates, e.g. aerated concrete.
- The recommendations by the gypsum manufacturer as regards the maximum permissible moisture content, layer thickness of gypsum-based substrates and surface properties must be followed.
- Avoid puddles forming when applying PCI Gisogrund to floor areas.
- PCI Gisogrund is not suitable for priming water-soluble adhesive residues (e.g. sulphite liquor adhesives). They must either be completely removed or primed with PCI Epoxigrund 390 (sprinkle with silica sand while still wet).
- Adhesive residues of old coverings must be **completely** removed before laying natural stones.
- Clean tools with water immediately after use. Once the product has cured it can only be removed by mechanical means.
- Do not apply PCI Gisogrund in underwater situations.



PCI Gisogrund helps improve adhesion of plaster and lime plastering to brickwork.

HEALTH AND SAFETY

General information on dispersion products

Do not allow dispersion to dry on the skin. Protect eyes where there is risk from splashing. In case of contact with eyes thoroughly rinse with water. If the eye irritation does not ease off within a few minutes seek prompt medical attention.

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



PCI Gisogrund helps improve the strength and solidity of old, mealy plasters and increases adhesion to tiles, plaster and wallpaper.

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In view of widely varying site conditions and fields of application of our products this data sheet is meant to provide general application guidelines only. This information is based on our present knowledge and experience. The customer is not released from the obligation to conduct careful testing of suitability and possible application for the intended use. The customer is obliged to contact the technical help-line for fields of application not expressly stated in the data sheet under "Fields of Application". Use of the product beyond the fields of application as stated in the data sheet without previous consultation with PCI and possible resulting damages are in the sole responsibility of a customer. Liability is accepted for incomplete or incorrect particulars in our data sheets 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.

PCI[®]
Für Bau-Profis



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