

Multi Purpose Primer and Bonding Agent®

Primer G

For walls and floors

USES

- For indoor and outdoor use.
- For walls and floors.
- Moisture barrier and primer for plaster, plaster slabs, gypsum fibre boards, plaster boards, aerated concrete, concrete, asphalt, render and brickwork before tiling and wallpapering.
- For anhydrite screeds and building boards.
- For aerated concrete, sand-lime brick, brickwork and concrete on walls prior to the application of gypsum based plaster.
- For mastic asphalt screeds prior to the application of PCI tile adhesives.
- Priming prior to the application of self leveling compounds, e.g. PCI-Periplan, PCI-Fließspachtel 15 and other mortars and anhydrite screeds hydraulically curing.
- To strengthen weak, absorbent screed surfaces and plasters indoors prior to the installation of tiles and mosaics.

USER BENEFITS

- Solvent-free, no damage to environment and worker by solvent vapours. No anger of fire or explosion. No harmful vapours.
- Improves the strength and solidity of substrates and increases adhesion of tiles, plasters and wall papers.
- PCI tile adhesives have a good bond to Primer G
- Protects thin-bed mortars and leveling compounds from rapid absorption of water, increases the open time, improves adhesion and prevents formation of shrinkage cracks.
- Helps prevent formation of air bubbles and rapid absorption of water when levelling floors with PCI-Periplan or PCI-Fließspachtel 15.

SUBSTRATE PREPARATION

The substrate must be solid, clean and able to take loads. Oil stains, bond-reducing residues such as solvent-free adhesive residues, and contaminations have to be thoroughly removed. Freshly applied cement screeds must not have a moisture content above 4%, ground anhydrite and/or gypsum based screeds not more than 0,5%

TECHNICAL DATA

Material

Material basis	Modified acrylic resin dispersion		
Components	1-part		
Density	approx. 1.0 g/cm ³		
Control colour	blue		
Identification according to - Regulation for Hazardous Goods /Road - Regulation for Hazardous Material <i>For further information refer to paragraph Safety.</i>	non hazardous not subject to identification		
Shelf life	approx. 12 months		
Storage	cool and dry, but not below -10°C. Frozen Primer G is to be slowly thawed and stirred thoroughly.		
Packaging	25 ltr pail, 5 ltr pail, 1 ltr bottle		
Application			
Substrate	Consumption	Mixing ratio	
Gypsum based substrates; anhydrite screeds, mastic asphalt screeds, screeds with adhesive residues of old coverings	approx. 150 to 250 ml/m ²	undiluted	
Absorbent mineral substrates, e.g. concrete, cementitious screeds, lime-based renders, aerated concrete, limestone or similar	first coat approx. 100 to 200 ml/m ² second coat approx. 50 to 70 ml/m ²	diluted 1 : 1 with water diluted 1 : 1 with water	
Yield		5 ltr pail	1 ltr bag
Gypsum based substrates; anhydrite screeds, mastic asphalt screeds, screeds with adhesive residues of old coverings		sufficient for approx. 33 to 62 m ²	sufficient for approx. 6.5 to 12.5 m ²
Absorbent mineral substrates, e.g. concrete, cementitious screeds, lime-based renders, aerated concrete, limestone or similar		25 - 50 m ² for one coat; 19 - 33 m ² for two coats	5 - 10 m ² for one coat; 3.7 - 6.5 m ² for two coats
Working temperature	+5°C to +30°C (substrate temperature)		
Curing times* - walkable after - waiting time for a second coat - ready for further application after	approx. 30 - 60 minutes approx. 30 - 60 minutes approx. 60 - 180 minutes (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 and lower temperatures increase these times.

APPLICATION

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

1. Stir PCI-Primer G thoroughly prior to application.
2. Apply a sufficient quantity of undiluted PCI-Primer G with a brush or roller to achieve a uniform coat. Avoid formation of puddles!
3. Do not apply tile adhesive, plaster or the screed levellers PCI-Periplan 10 and/or 20 or PCI-Fließspachtel 15 until PCI-Primer G has completely cured.

Priming and strengthening of absorbent ineral substrates, e.g. concrete, cementitious screeds, lime-based renders, aerated concrete, limestone or similar

1. Stir PCI-Primer G thoroughly, dilute 1 : 1 with water and mix thoroughly.
2. Apply a sufficient quantity of diluted PCI-Primer G with a brush or roller to achieve a uniform coat.
3. In case of very absorbent substrates it is recommended to apply a second coat of PCI-Primer G, diluted 1 : 1 with water to achieve a more intensive strengthening and to avoid formation of blisters. Do not apply second coat until the first one has completely cured.
4. After curing (scratch proof) apply tile adhesive, plaster or the screed levellers PCI-Periplan 10 and/or 20 or PCI-Fließspachtel 15.

PLEASE NOTE

- Do not apply PCI-Primer G at temperatures below +5°C and above +30°C.
- In case of partial tiling the whole wall area should be primed (e.g. behind the bathtub or above the tile covering).
- PCI-Primer G can be diluted 1 : 2 with water for the first coat on very absorbent substrates, e.g. aerated concrete.
- The recommendations of the gypsum manufacturer concerning the maximum permissible moisture content, layer thickness of gypsum-based substrates and surface properties must be followed.
- Avoid formation of puddles in case of applying PCI-Primer G on floor areas.
- PCI-Primer G 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 (sanding in wet condition).
- Adhesive residues of old coverings have to be completely removed before laying natural stones.
- Clean tools immediately after use. Once the product has cured it can only be removed by mechanical means.



The Chemical Company

SAFETY

General information on dispersion products

Do not allow dispersion to dry on the skin. Protect eyes if there is risk of splashing. In case of eye contact thoroughly rinse 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.

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PCI
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