

PCI GISOFIX[®] NT

Fast-acting primer for cementitious and gypsum-based substrates

Fields of application

- For indoor and outdoor use.
- For walls and floors.
- As a fast acting primer providing a moisture barrier for use on absorbent substrates such as gypsum plaster, gypsum flooring, gypsum plaster board, gypsum fibreboard, anhydrite screeds and building boards, aerated concrete, concrete, plaster/render and brickwork - as a preparatory treatment before tiling - before applying easy-flowing, floor levelling compounds.



Undiluted PCI Gisofix NT is applied thickly and evenly onto the mineral substrate using a fine foam roller. After PCI Gisofix NT has formed a film on the substrate any subsequent work can be carried out immediately.

Features and benefits

- **Fast acting to form a film layer**, after only 5 minutes can be covered with tile adhesives or levelling compounds.
- **Solvent free, TRGS 610 compliant, Giscode D 1**, no environmental damage or risk to the operative from solvent vapour.
- **Pink dye allows** for signal coat, to ensure good surface coverage.
- **Secure adhesion**, adhesives and levelling compounds securely adhere to surfaces primed with PCI Gisofix NT.

Features and benefits

- **Protects thin bed mortar or levelling materials** from early hydration, increases the open time, improves the adhesion and helps prevent the formation of shrinkage cracks.
- **Prevents the formation of bubbles** and rapid hydration when levelling substrates with Mastertop 528.
- Complies with the guidelines of the federal association of gypsum building board and gypsum industries and also **DIN 18 157-1**.
- **Ready to use.**
- **No odour emission.**

Technical data material

Material base	modified synthetic resin dispersion
Components	1 part
Density	approx. 1.0 g/cm ³
Control dye	pink

Labelling for:

- Regulation for hazardous goods on roads non hazardous
- Regulation for hazardous substances no labelling requirement for this product

For further information refer to Health and Safety.

Shelf life

Min. 12 months when stored in dry conditions and no permanent storage over +30°C

Packaging

10 litre canister, 5 litre canister and 1 litre bag

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Application

Substrate	Amount of PCI Gisofix NT	Coverage from 10 ltr of PCI Gisofix NT
Gypsum-based substrates; anhydrite screeds screeds with old adhesive residues	approx. 80 to 150 ml/m ²	approx. 65 to 125 m ²
Absorbent mineral substrates, e.g. concrete substrates, cement screeds, lime/cement renders, aerated concrete, lime sandstone etc.	approx. 50 to 150 ml/m ²	approx. 65 to 200 m ²
Working temperature	+10°C to +25°C (room and substrate temperature)	
Curing times* on mineral substrates		
- walkable after	approx. 5 minutes	
- can be covered with tile adhesives and levelling compounds after	approx. 5 minutes	
Temperature resistance of the hardened 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 be load bearing. Patches of oil, any areas on the surface which could impair adhesion such as solvent free adhesive residues from coverings, and dirt must be thoroughly removed. Newly laid cement screeds must not display more than 4% residual moisture content measured with CM equipment. This measurement must not exceed 0.5% in the case of ground anhydrite or gypsum screeds.

Application procedure

Shake PCI Gisofix NT well before use.

Pour the required amount of PCI Gisofix NT into a suitable work container.

Next apply **undiluted** PCI Gisofix NT thickly and evenly on to the substrate, using, for example, a fine foam roller. Avoid ponding!

After a film has formed on the PCI Gisofix NT (the colour changes, the primer becomes almost transparent) any further work can be carried out immediately.

Note

- Do not use where the substrate temperature is under +10°C and over +25°C.
- Observe any instructions issued by the gypsum industry on the maximum permissible moisture level, thickness of the substrate layer and its surfaces.
- The drying process of PCI Gisofix NT is delayed on screeds with residues of old coverings. The primer is walkable and ready for any further work when the colour changes.
- **PCI Gisofix NT is not suitable for priming water-soluble adhesive residues from coverings (e.g. sulphite solution) and bitumen adhesives. These must be removed completely or primed with PCI Epoxigrund 390 (sand while still fresh).**
- All old adhesive residues from coverings must be **completely** removed before laying natural stone.
- In comparison with traditional primers please be aware that PCI Gisofix NT does not strengthen the substrate.

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- PCI Gisofix NT is not suitable for priming mastic asphalt screeds and old ceramic coverings. For mastic asphalt screed use PCI Gisogrund and for ceramic coverings use PCI Flächengrund 303.
- When using PCI Gisofix NT try to prevent puddles forming.
- **Do not pour PCI Gisofix NT directly on to the substrate; always apply from the work container.**
- **Any unused PCI Gisofix must be discarded and disposed off appropriately and not added back to the original container as this will lead to contamination and render the remaining primer unusable.**
- Clean tools with water immediately after use.

Health and safety General instructions for dispersion products

Do not allow the dispersion to dry on the skin. Remove any dried dispersion with soap and water. Protect eyes where there is risk from splashing. If the dispersion should come into contact with the eyes rinse thoroughly with water. If after a few minutes eye irritation persists contact a doctor.

For further information see the PCI Material Safety Data Sheet.

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