

PCI PERIPLAN®

Floor levelling compound for under tiles, carpet or vinyl

DESCRIPTION

PCI Periplan is a floor-levelling compound for under tiles, carpet or vinyl.

RECOMMENDED FOR

- Indoor use
- Dry areas
- Levelling and surface repair of rough, uneven concrete floors, heated screeds and ceramic coverings prior to laying ceramic and natural stone, tiles, vinyl, textile, linoleum and wood strip flooring
- Layer thicknesses from 2 to 30mm

FEATURES AND BENEFITS

- **Pumpable, can be applied by machine therefore high output is possible**
- **Self levelling can be applied with minimum effort**
- **Rapid curing can be walked on and tiled with ceramic coverings after 3 hours (at +23°C and 50% relative humidity)**
- **Smooth surface with few pores, can be covered without additional levelling or grinding**

TECHNICAL DATA

Material base	Special cement with additives
Components	1 part
Consistency	Powder
Bulk density	Approx. 1.4g/cm ³
Colour	Grey

SUBSTRATE PREPARATION

The substrate must be clean, dry, sound and firm. It must be free from coats of paint and other bond-breaking residues. Remove heavy contamination and bond-inhibiting residues and/or surfaces by mechanical means (shot-blasting, grinding, milling). Fill spalled areas and holes with suitable BASF repair mortar, seal cracks with **CONCRECIVE 2530**. The pull-off strength of the prepared area must not be less than 1 N/mm² on average.

PRIMING

Priming on cementitious substrates

Use **PCI Gisogrund**, thoroughly mix prior to application. Prime substrate with approximately 6m² per litre of **PCI Gisogrund**, diluted 1:1 with water. Spread with a roller not leaving any puddles. Absorbent substrates may require two coats.

The second coat if necessary of **PCI Gisogrund**, diluted 1:1 with water, can be applied approximately 1 hour after the first coat at approximately 15m²-18m² per litre. Allow the primer to dry until sound and tack-free (approx. 12 hours).

Priming on Screeds

Use **PCI Gisogrund** undiluted for priming. Screeds must be sanded and vacuumed and the residual moisture content must not exceed 4%. Thoroughly stir **PCI Gisogrund** before use and apply at approximately 8-9m² per litre. Allow primer to dry until sound and tack free (approximately 12 hours).

Priming on ceramic coverings

Use **PCI Gisogrund 404** -see data sheet for details.

Fast-acting primer on cementitious substrates

Thoroughly stir **PCI Gisogrund Rapid** before use. Decant required amount of **PCI Gisogrund Rapid** in an appropriate container. Then apply undiluted **PCI Gisogrund Rapid** eg; with a fine pored foamed roller, evenly on to the substrate until saturated.

After **PCI Gisogrund Rapid** has changed colour, (primer turns almost transparent) **PCI Periplan** can immediately be applied.

APPLICATION

1. Place gauging water in vessel, add **PCI Periplan** and mix with a suitable stirrer attached to a powerful electric drill for at least 3 minutes until all lumps have disappeared.
2. Allow mixed **PCI Periplan** to slake for approximately 3 minutes and remix briefly.
3. Pour **PCI Periplan** onto the hardened, primed surface. Spread mortar with trowel or squeegee in the required layer thickness (from 2-30mm). Pumps can be used. Consult your BASF representative for details.
4. De-aerate **PCI Periplan** with a suitable spiked roller during the application.
5. Avoid draughts, extreme heat and direct sunlight during the application and curing process – for approximately 24 hours.
6. Ceramic coverings can be laid with PCI tile adhesives when **PCI Periplan** is walkable (approximately 3 hours) at 25°C and 50% rel. humidity. When using other tile adhesives the suitability of the products should be tested in advance.

NOTE

- Do not use **PCI Periplan** at substrate temperatures below +5°C and above +30°C.
- Moisture rising from the substrate must be prevented by suitable measures.
- Never add water or fresh **PCI Periplan** to a mortar mix that has already begun to set.
- When mixing **PCI Periplan** it is essential that the indicated amount of gauging water be adhered to. Additives are not allowed.



The Chemical Company

PCI PERIPLAN®

CLEANING

Clean tools, machines and mixing equipment with water immediately after use. Once the product has hardened it can no longer be removed with water.

PACKAGING

PCI Periplan is available in 25kg PE lined heavy-duty paper bags.

STORAGE

PCI Periplan should be stored in a dry and cool location.

SHELF LIFE

Minimum six months when stored in dry condition. No permanent storage over 30°C.

PRECAUTIONS

PCI Periplan contains cement. Contact with moisture or gauging water sets off an alkaline reaction, which may cause skin irritation, and/or caustic burns to mucous membranes (e.g. eyes).

For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the BASF Construction Chemicals **Material Safety Data Sheet (MSDS)** from our office or our website.

APPLICATION

Consumption	Approx. 1.6kg powder per m ² and mm layer thickness
Layer thickness	2-30mm
Working temperature	+5°C to +30°C
Mixing ratio	25kg of PCI Periplan + approx. 5.5 – 5.75 litres of water
Slake time	3 minutes
Consistency	Thin fluid
Working time*	Approx. 30 minutes
Curing time* - walkable after - able to bear weight after - ready for tiling with ceramic coverings - ready for laying carpet flooring, synthetic coverings, floating parquet after	3 hours approx. 3 days approx. when walkable approx. 1 day at a moisture content ≤ 2% CM

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

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF** publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by **BASF** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **BASF**, are responsible for carrying out procedures appropriate to a specific application.

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