

PCI SECCORAL[®] 2K

Special waterproofing slurry

DESCRIPTION

PCI Seccoral 2K is a special waterproofing slurry under ceramic tiles and for external basement walls and foundations.

RECOMMENDED FOR

- Indoor and outdoor use
- Walls and floors
- Crack-bridging waterproofing under ceramic coverings in showers or rooms with floor drains, swimming pools, health spas, salt-water spas up to a head of water of 15 metres against pressurised water from the inside.
- Crack-bridging waterproofing in above and below ground situations, in new and old buildings.
- Waterproofing of external basement walls, wet rooms and retaining walls.
- Flexible waterproofing under tiles on cantilever balcony slabs or terraces.

FEATURES AND BENEFITS

- **Crack-bridging** – high reliability even if cracks occur in the substrate afterwards
- **Waterproof and frost resistant** – multi-purpose use indoors and outdoors
- **Crack-free curing** – the coating does not crack or crumble
- **Secure bond** – no primer or bonding agent required
- **Plastic, workable** – easy to apply by brush or trowel
- **Resistant to ageing** – insensitive to influences by the environment
- **Two part** – easy to mix as both components are available in the appropriate mixing ratio
- **Separating properties, reduces tensions** – can be applied to cement screeds as soon as they are walkable and then be tiled

TECHNICAL DATA - MATERIAL

	Liquid Component	Powder Component
Material	Modified acrylate dispersion	Special cement mortar with waterproofing PCI polymers

APPLICATION

Substrate Condition

Suitable substrates are structurally sound concrete (at least strength grade 25MPa), render according to mortar group P III of DIN 18 550, masonry of brick or sandlime brick produced with full-joint cement mortar. Foamed slag bricks or hollow concrete blocks should be rendered with plaster according to mortar group P III of DIN 18 550 before coating. The substrate must be sound, mainly even and fine-pored in the surface. It must be free from honeycombs, gaping cracks and ridges, dust, water

repellents, forming oil, paint or other bond-inhibiting residues. Fill voids and honeycombs on walls with the relevant BASF concrete filler or repair mortar.

For more information about application, please obtain a copy of the BASF "Application Guide for **PCI Seccoral 2K**" from your local representative.

NOTE

- **PCI Seccoral 2K** should always be applied to the side of the structure which is exposed to water.
- Do not apply **PCI Seccoral 2K** at ambient and substrate temperatures below +5°C and above +30°C. Avoid exposure to extreme heat and draught.
- Mix only as much **PCI Seccoral 2K** as can be applied within approximately 60 minutes.
- Never add water and/or liquid or fresh powder component to reconstitute a **PCI Seccoral 2K** mix which has already begun to set.
- Additives to **PCI Seccoral 2K** are not allowed.
- **PCI Seccoral 2K** is not authorised for potable water reservoirs.
- When fixing tiles on **PCI Seccoral 2K** in the thick-bed method, the following procedure should be followed: After the application of **PCI Seccoral 2K** to the required minimum layer thickness another coat of **PCI Seccoral 2K** is necessary. A coarse plaster mixed with **Emaco 168 Primer** is applied to the fresh material. After this coarse plaster has hardened tiles can be fixed in the thick-bed method.
- Connection and angle sections made of metal should be doweled to the substrate and waterproofed with **PCI Seccoral 2K**. It can thus be avoided that the **PCI Seccoral 2K** layer separates from the metal section due to different thermal expansions.

CLEANING

Clean tools with water immediately after use. Once the product is hard it can only be removed by mechanical means.

SHELF LIFE

PCI Seccoral 2K has a shelf life of minimum 12 months if stored in dry conditions and protected from frost. No permanent storage over +30°C.

PACKAGING

PCI Seccoral 2K is supplied in a 30kg kit consisting of:
Liquid component – 10kg metal container and
Powder component – 20kg PE lined heavy duty bag

PRECAUTIONS

The powder component of **PCI Seccoral 2K** 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).

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Risk of serious damage to eyes, therefore avoid contact with eyes and prolonged contact with skin. If ingested seek prompt medical attention and show packing or this data sheet.

Low in chromates according to TRGS 613.

- **PCI Seccoral 2K liquid component**

General information on dispersion products

Do not allow dispersion to dry on the skin. Remove dried

dispersion with soap and water. 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 within a few minutes, seek prompt medical attention.

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.

TECHNICAL DATA – APPLICATION

A dry layer thickness of at least 2mm is required for all applications acting as waterproofing layer directly under tiles (bonded waterproofing)	
Application as tanking of structures officially controlled Required dry layer thickness for demands in accordance with DIN 18 195-4: e.g. tanking against ground moisture and percolating seepage water of floor plates and walls (external basement walls) DIN 18 195-6/-7: e.g. tanking against non-percolating seepage water (DIN 18 195-6, para 9), tanking against water pressing from inside (water reservoir without ceramic coating)	2.0mm 2.5mm
Consumption of PCI Seccoral 2K: - at 2.0mm dry layer thickness (approx. 2.5mm wet layer thickness) - at 2.5mm dry layer thickness (approx. 3.2mm wet layer thickness)	4kg/m ² 5kg/m ²
Coverage of 30kg of mixed PCI Seccoral 2K: - at 2.0mm dry layer thickness - at 2.5mm dry layer thickness	approx. 7.5m ² approx. 6.0m ²
Working temperature	+5°C to +30°C (substrate and ambient temperature)
Mixing ratio	10kg of liquid component : 20kg of powder component
Density of mixed mortar	1.7g/cm ³
Working time*	60 minutes
Curing time* - walkable after - exposure to water after - backfill excavation after - ready for tiling after	approx. 1 day approx. 7 days approx. 7 days approx. 1 day
Temperature resistance	-20°C to +80°C

* At +23°C and 50% relative humidity

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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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