



The Chemical Company

BASF CONSTRUCTION CHEMICALS AUSTRALIA and NEW ZEALAND

APPLICATION GUIDE for PCI SECCORAL ® 2K

IMPORTANT: READ THIS FIRST

BASF Construction Chemicals does not warrant the performance of this product unless the instructions of this document and other related BASF Construction Chemicals documents are adhered to in all respects.



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APPLICATION DIRECTIONS

Substrate Condition

Suitable substrates are structurally sound concrete (at least strength grade 25MPa), render, masonry of brick or sandlime brick produced with full-joint cement mortar. Foamed slag bricks or hollow concrete blocks should be rendered with plaster before coating.

1. SURFACE PREPARATION

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.

Break edges and round grooves flush with a maximum radius of 4cm. Form coverings with site-mixed mortar. The Cementitious substrate must be thoroughly pre-wet. It must be damp at the time of application, but must not be overwatered. Prime mastic-asphalt screeds indoors and/or gypsum-based flowable screeds with undiluted **PCI Gisogrund**. Allow the primer to dry. Gypsum based screeds indoors must not have a residual moisture content exceeding 0.5%.

2. Application Procedure

Two void-free coats of **PCI Seccoral 2K** are required, fully covering the substrate. The coating must have the required minimum thickness over its entire area for the expected water load.

1. Mixing both components

a) Application by trowel

Place 10kg of liquid component in a clean mixing container and add 20kg of powder component and mix to a lump-free consistency. For partial quantities:.

1 part by volume of liquid component

2 parts by volume of powder component

To ensure lump-free mixing of **PCI Seccoral 2K** it is recommended to place only part (approx.2/3) of the required liquid component in the mixing container and mix with the powder component. The remaining liquid component will not be added until the powder component is soluble.

b) Application by brush or spray gun

Place 10kg of liquid component and 1 litre of water in a clean mixing container and add 20kg of powder component while mixing with a suitable paddle attached to an electric drill until all lumps have disappeared as described under **a)**. For partial quantities:

1kg of liquid component + 0.1 litres of water + 2kg of powder component
and/or

5kg of liquid component + 0.5litres of water + 10kg of powder component.

2. Thoroughly pre-wet the prepared cementitious substrate. When applying the waterproof coating **PCI Seccoral 2K**, the substrate must be damp, but not overwatered. No pre-wetting is required on primed poured asphalt and gypsum-based pourable screeds.
3. Apply the first coat with a flat bristle brush until the entire surface is saturated. Make sure that corners and rounded edges are thoroughly covered.
4. Seal pipe penetrations and floor drains with **PCI Pectape 10 x 10** and/or **PCI Pectape 35 x 35**. Corner joints and floor/wall junctions should be sealed with **PCI Pectape 120** unless no coving is formed. Press **PCI Pectape 120** into the first coat of **PCI Seccoral 2K** and cover with the second coat.
5. Apply the second and possible third coat by float up to a total maximum thickness of 5mm as soon as the previous coat is tack-free, but not completely dry.
6. **Installation of ceramic tiles**
Ceramic tiles can be laid with **PCI Nanolight** on the walkable coating after approximately 24 hours. A void-free application is required in outdoor applications.
7. **Protection of the coating**
Do not backfill excavation until the coating has sufficiently cured (after approximately 7 days). Protect coating from damages which may be caused by subsequent works e.g. by a gypsum-free trowel plaster, protective screed, foam or mineral fibre boards, foils or other surface coatings.

3. NOTE

- **PCI Seccoral 1K** 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 +25°C. Avoid exposure to extreme heat and draught.
- Mix only as much **PCI Seccoral 2K** as can be applied in 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.



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- 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.
- Do not backfill excavations with rubble, coarse stones or debris. The waterproofing coat must not be damaged (protect by placing e.g. drain boards in front of the excavation). **PCI Seccoral 2K** must have sufficiently cured before backfilling the excavation.

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