

Bitumen adhesive for insulation boards

PCI Pecimor® DK

for external basement walls and foundations

PCI[®]
Für Bau-Profis



Fields of application

- For walls and floors.
- For indoor and outdoor use.
- For gluing (full-surface or dot and dab method) insulation boards or drainage boards made of EPS, XPS, e. g styrofoam, or cellular glass on absorbent and non-absorbent substrates, for gluing boards together and for the use as cell-filling coating of cellular glass boards.
- On dry and slightly damp substrates.
- On absorbent and non-absorbent substrates.



The styrofoam perimeter insulation boards are pressed into the adhesive bed of PCI Pecimor DK.

Features and benefits

- Two components, the water of the bitumen emulsion is completely absorbed by PCI Pecimor DK during the curing phase, a reliable and fast curing of the adhesive underneath the insulation boards is therefore guaranteed.
- Temperature resistant (after curing) from -20°C to +80°C.
- Resistant to ageing, durable protection below ground even after years.
- Chemically curing, also when hermetically sealed.
- Solvent free, no damage to environment and operative by solvent vapours. No danger of fire or explosion. No vapours harmful to health.

Technical data

Material

Material base	
- liquid component	polymer bitumen emulsion
- powder component	dry mix, cement-based
Components	two components
Consistency	pasty
Density of mix	approx. 1.06 g/cm ³
Behaviour in fire to DIN 4102 (fire classification)	B2
Packaging size	28 kg bag (21 kg liquid component and 7 kg bag powder component) stock no. 6278/4
Storage	dry, frost free, no permanent storage over +30°C Full pallets are non-stackable.
Shelf life	min. 9 months

Application

Consumption	
- as primer (diluted with water 8:1)	approx. 100 - 150 g of PCI Pecimor DK/m ²
- as adhesive for insulation boards	approx. 4.5 kg/m ²
- as cell-filling coating of cellular glass	approx. 1.5 kg/m ²
Processing temperature	+5°C to +30°C (substrate temperature)
Curing time* (glued boards)	
- rainproof after	approx. 4 hours
- filling of excavation pit after	immediately
Substrate condition	dry to damp
Mixing ratio	
- liquid component	3 parts by weight
- powder component	1 part by weight
Mixing time	min. 2 minutes
Slake time	min. 2 minutes
Processing time*	approx. 60 to 80 minutes
Temperature resistance (after curing)	-20°C to +80°C

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

Preparation of substrate

Suitable substrates are structurally sound concrete, at least strength class C 12/15, plaster C IV to DIN EN 998-1, masonry made of brick, sand-lime brick, light-weight concrete and hollow concrete blocks, aerated concrete.

Substrates waterproofed with PCI bitumen thick coating are also suitable. In case of other waterproofing material, e. g. bitumen or plastic sheeting, the substrate should be tested for suitability by producing a test area first.

The substrate must be structurally sound and practically smooth. It must be free from dust, tar, pitch, forming oil, old paint or other residues which could impair adhesion. Edges must be broken.

Application procedure

Gluing drainage boards and insulation boards with PCI Pecimor DK

In the case of soil moisture, drainage and insulation boards can be applied in the dot and dab method 30 cm above the assumed water level. In the case of standing seepage water, pressing water or water below the assumed water level, the insulation boards must be glued over the entire surface. The butt joints of the individual boards must be smoothed with PCI Pecimor DK.

1 Mixing

Add powder component to the liquid component while mixing with a PCI anchor mixer attached to a fast-speed electric drill (approx. 600 to 800 rpm). Mix for at least 1 minute until a homogeneous, lump-free and pasty mixture is produced. Leave to stand for 2 minutes. Remix for at least 1 minute until workable.

2 Priming

Add 3.5 litres of water to the ready-mixed PCI Pecimor DK and remix thoroughly. Apply to the substrate using a paint brush or roller.

3 Application of adhesive

3.1 EPS and XPS boards with and without tongue

Apply mixed adhesive PCI Pecimor DK to the substrate or insulation boards using a notched trowel (notch size approx. 10 mm). Use a medium-bed trowel for large-format boards from 60 cm x 100 cm and a thickness of 5 cm. Apply the adhesive to the narrow sides of the board when the boards are installed. Fit boards into place and push tight. Smooth excess material at the butt joints.

3.2 Cellular glass boards

Use mixed PCI Pecimor DK adhesive for gluing cellular glass boards. Apply

adhesive to the reverse and narrow side of the board using a notched trowel (notch size approx. 10 mm). Fit board into place and push tight. Smooth excess material at the butt joints. In case of cellular glass boards exposed to the ground, apply a closed-cell layer with PCI Pecimor DK to the surface of the board.

4 Newly glued drainage boards or insulation boards must be protected from direct sunlight, driving rain and mechanical damage.

Please note

- Full pallets are non-stackable!
- Follow the installation instructions for drainage boards and insulation boards issued by the manufacturers.
- Gluing drainage and insulation boards with PCI Pecimor DK is no replacement for waterproofing a structure.
- Do not use PCI Pecimor DK at substrate temperatures below +5°C or above +30°C.
- It is not permissible to allow moisture acting on the reverse side of the adhesive, e. g. in case of soaked masonry.
- Apply mixed PCI Pecimor DK within approx. 60 to 80 minutes.
- In case of extreme heat we recommend to carry out the gluing works in the evening hours or to shadow the construction in accordance with the code of plastering practice.
- Avoid direct contact with joint sealants.
- Damages might occur if the coating has not completely cured and is exposed to driving rain.
- Do not backfill the excavation pit with rubble, debris or coarse stones. The drainage and/or insulation boards might get damaged.
- The thermal expansion of the insulation boards must be considered (especially XPS from a thickness of 6 cm). Tensions caused by these expansions cannot be absorbed by the adhesive. Therefore backfill and compact the excavation pit in layers with non-cohesive soil as soon as possible to practically prevent any settlements.
- The technical workmanship and different substrate conditions can increase the consumption quantities given.
- Clean tools with plenty of water immediately after use; the cured product can only be removed by mechanical scraping.
- Shelf life: min. 9 months; store dry, no permanent storage over +30°C.

Information on the safe use

■ PCI Pecimor DK

liquid component

Treated goods in accordance with regulation (EU) No 528/2012:
Contains biocide (in-can preservative)
N,N'-Methylene-bis-morpholine.
Contains: potassium hydroxide
Causes serious eye irritation. Causes skin irritation.
Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Wear protective gloves and eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Call poison center or get medical advice/attention. IF ON SKIN

(or hair): Wash with plenty of water and soap. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

■ PCI Pecimor DK

powder component

PCI Pecimor DK powder component contains cement:
Causes serious eye damage. Causes skin irritation. May cause respiratory irritation.
Keep out of reach of children. Wear protective gloves (e.g. cotton gloves soaked in nitrile) and eye protection/face protection. Avoid breathing dust. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses,

if present and easy to do. Continue rinsing. Get immediate medical advice/attention. IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing. IF ON SKIN: wash with plenty of soap and water and put skin cream on (pH value approx. 5.5). If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
The product is non-flammable. No special fire precautions are therefore required.
Water hazard class 1 (self-rating).
Giscode BBP 10

For further information: see PCI Material Safety Data Sheet.

Disposal of emptied PCI sales packaging

PCI participates in an area-wide waste disposal system for sales packaging completely emptied. DSD – Duales System Deutschland (Dual System Germany, contract number 1357509) is

our partner for waste disposal. PCI sales packaging completely emptied can be disposed of via DSD in accordance with the symbol printed on the packaging.

Services for architects and designers

Consultations at the workplace, supplementary information, testing certificates and sample descriptions can

be requested from professional advisors and at the company headquarters.



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zertifiziertes Qualitätsmanagementssystem

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