

## *Polyurethane coating*

# PCI Ocean<sup>®</sup> Cret

## *for wall surfaces*

Product data sheet no. 272

### Fields of application

- For outdoor use.
- For the production of grindable levelling layers prior to tiling on metal substrates.
- Able to level irregularities in the substrate and to achieve smooth substrates.
- Smoothable coating in shipbuilding on aluminium and/or steel construction (with corrosion protection common in shipbuilding).

### Features and benefits

- **Ready-to-use** after mixing of both components (product is already blended with all aggregates).
- **Chemical resistant** against acids, alkalis, oil and fat (see table „Chemical Resistance“).
- **Flexible**, adjustable at variations in temperature and irregularities in the substrate.
- **Secure adhesion** to impermeable, smooth and vibrating substrates.

### Preparation of substrate

The substrate must be clean, dry, sound, able to bear weight, free from fat and other bond-inhibiting residues.

Remove heavy contamination or corroded surfaces by sandblasting or grinding and apply a corrosion protection if necessary.

### Application procedure

#### Mixing

**1** PCI Ocean<sup>®</sup>Cret is available in the appropriate mixing ratio.

The following mixing ratio applies when using partial quantities:

100 parts by weight of base component  
21 parts by weight of hardener component

Mix both components thoroughly with a suitable paddle (e.g. available from Collomix) attached to an electric drill. Then put the material into another clean container and remix PCI Ocean<sup>®</sup>Cret.

**2** Using a suitable notched trowel comb PCI Ocean<sup>®</sup>Cret onto the substrate and trowel smooth.

**3** Apply PCI Ocean<sup>®</sup>Cret within approx. 35 minutes (at + 23°C).

**4** PCI Ocean<sup>®</sup>Cret is walkable or can be tiled with PCI Ocean<sup>®</sup>Flex PUR after 24 hours at the earliest.

<b>Technical Data</b>	
<b>Material</b>	
Material base	polyurethane, solvent-free
Components	2 part
Density of mixture	approx. 1.5 g/cm <sup>3</sup>
Colour	grey-blue
Labelling for - Regulation for hazardous goods on roads base component hardener component  - Regulation for hazardous substances base component hardener component	non hazardous non hazardous  no labelling requirement for this product harmful to health, contains diphenylmethane-4,4'- diisocyanate
For further information refer to Health and Safety.	
Shelf life	min. 12 months when stored in dry conditions, no permanent storage over +30°C; the hardener component must be well closed to be water vapour proof.
Packaging	10 kg unit (2 part)

<b>Application</b>	
Consumption	approx. 1.5 kg/m <sup>2</sup> and mm layer thickness
Temperature resistance	-20 °C to +80 °C
Bond strength to concrete	> 1.5 N/mm <sup>2</sup>
Working temperature	min. +5 °C to +25 °C (substrate temperature)
Potlife*	approx. 35 minutes
Layer thickness	1 to 10 mm
Curing times* - walkable after - can be exposed to mechanical and chemical demands after	approx. 1 day  approx. 7 days

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

## Please note

- Do not use PCI Ocean<sup>®</sup>Cret at substrate temperatures below +5°C and above +25°C.
- Wear suitable protective gloves and safety goggles during the application.
- Suitable tools are available from e.g.  
Collomix GmbH  
Horchstraße 2  
85080 Gaimersheim/Germany  
www.collomix.de
- Clean tools with the universal thinner PCI Univerdünner immediately after use. Once the product is hard it can only be removed by mechanical means.
- Shelf life: min. 12 months when stored in dry conditions, no permanent storage over +30°C. The hardener component must be well closed to be water vapour proof.

## Health and Safety

### Hardener component

Contains diphenylmethane-4,4'-diisocyanate. Follow manufacturer's instructions. Harmful to health when inhaling. Irritant to eyes, respiratory organs and skin. Sensitisation is possible through contact with the skin. Avoid contact with eyes and skin. In case of contact with eyes immediately rinse with lots of water and seek prompt medical attention. In case of contact with skin immediately wash off with plenty of soap and water. Wear suitable protective gloves. In case of accident or feeling unwell seek prompt medical attention (if possible show this product data sheet or label). Use in well ventilated rooms only.

For further information refer to the PCI Material Safety Data Sheet!

## Chemical Resistance

after a test period of 500 hours at +20 °C

Ethyl alcohol, 20%	+
Caustic soda lye, 10%	+
Caustic soda lye, 20%	+
Phosphoric acid, 25%	+
Hydrochlorid acid, 20%	+
Sulphuric acid, 5%	+

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In view of widely varying site conditions and fields of application of our products this data sheet is meant to provide general application guidelines only. This information is based on our present knowledge and experience. The customer is not released from the obligation to conduct careful testing of suitability and possible application for the intended use. The customer is obliged to contact the technical help-line for fields of application not expressly stated in the data sheet under "Fields of Application". Use of the product beyond the fields of application as stated in the data sheet without previous consultation with PCI and possible resulting damages are in the sole responsibility of a customer. Liability is accepted for incomplete or incorrect particulars in our data sheets only in the event of intent or gross negligence, without prejudice to claims under product liability laws. All transactions are subject to our Terms of Sale and Supply.



Any subsequent publication supersedes this edition.  
Edition April 2007.

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