

Wencon Ceramic Cream

The epoxy compound for repair and rebuilding of deteriorated metal parts, exposed to excessive wear.

- Strong adhesion to all metal surfaces
- High wear resistance
- High temperature resistance
- Easy mixing and application
- High abrasion resistance

Wencon Ceramic Cream is a basic two-component, epoxy compound with a wide range of applications for repair and rebuilding of worn, damaged, cracked and corroded metal parts.

Wencon Ceramic Cream has a high abrasion resistance, making it suitable for applications on propeller nozzles, rudders, thruster tunnels and housings. In addition, the product also offer high temperature resistance, which makes it ideal for applications on gas scrubbers, condensers and end-covers.

Wencon Ceramic Cream exhibits many of the characteristics of metals, which together with outstanding adhesion to all metallic surfaces makes the repair compound highly suitable for repair of corroded and worn metals.

Wencon Ceramic Cream is non conducting and can therefore not corrode or bi-metallic corrode. After curing the compound is resistant to oil, water, saltwater and most diluted acids and a range of solvents. Heat resistance ranges from 200° C (392° F) in corrosive and heavy load environments and up to 300° C (572°F) when applied as a filling compound.

Wencon Ceramic Cream has a paste consistency and is easily applied by spatula also to vertical surfaces.

Wencon products are designed to be simple to use and cost effective. Easy mixing ratios (1:2 by volume) reduce waste to a minimum and high specific volumes give high coverage rates.

Product numbers:

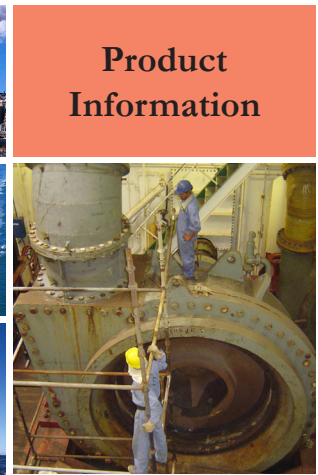
No. 1016 Wencon Ceramic Cream, 1 kg (2,2 lb) unit

IMPA no.

812592

ISSA no.

N/A



No. 2 - 01.04.2013



General description

Two component solvent free paste consistency epoxy repair compound for rebuilding of deteriorated metal parts, exposed to excessive wear.

Surface preparation

The surface must always be clean and degreased

Applying to new steel surface:

- shot blasting to SA 2,5
- if shot blasting is not possible use grinding
- after grinding the surface must be degreased with Wencon Cleaner

Repairing old steel surface:

- shot blasting to SA 2,5
- sweat out water and salts
- shot blasting to SA 2,5 again
- profile 75 microns

Mixing Ratio

Mix by volume 1:2. Mix until an even colour is obtained.

Applying

Wencon Ceramic Cream can be applied by spatula.

Pot Life

Depending on amount mixed and temperature. Mixed in small amounts, the pot life is approximately 30-40 minutes at 20°C (68°F)

Curing time

Curing will take place in 10-15 hours at 20°C (68°F)

Reduced curing time with infrared

This product is tested with and suitable for infrared curing. Curing with infrared radiation can reduce curing time significantly. Result can vary, depending on circumstances and equipment used.

Technical Data

Hardness Shore D: 80 (DIN 53505)

Tensile strength: 25,8 N/mm² - 3671 p.s.i.
(DIN 53454)

Compressive strength:

Modulus of elasticity: 2799 N/mm² -
398.000 p.s.i. (DIN 53454)

Rcrack: 65 N/mm² -9.500 p.s.i. (DIN 53454)

Adhesion to steel: 30,80 N/mm²

Abrasion Resistance (Taber wear test): 25.6
(ISO 7784-1)

Specific volume

538 ccm per kilogramme (34,4 cu inch/kg)

Temperature Resistance

Corrosion: 200°C (392° F)

Light load: 250°C (482°F)

As filler: 300°C (572°F)

Chemical Resistance

The compound is resistant to oil, water, saltwater and most diluted acids and alkalis as well as a range of solvents.

Shelf life

@ 20°C (68°F): 3 years

Handling Precautions

Read the instructions for use and the Material Safety Data Sheet.

