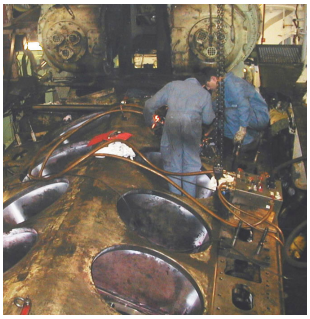
WENCON®

Product Information



No. 4 - 01.04.2013

Wencon Cream

The basic multipurpose epoxy compound for repair and rebuilding of deteriorated metal parts.

- Wide range of applications
- Strong adhesion to all metal surfaces
- Low curing temperature
- Simple mixing and application
- Fully machinable

Wencon 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.

Typical applications are corroded tanks, pump housings, impellers, valves, pipes, flange faces, roller bearing seats, worn shafts, hydraulic rams and heat exchangers. Wencon Cream is also excellent as a filling compound.

Wencon 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 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 60° C (140° F) in corrosive and heavy load environments and up to 250° C (482°F) when applied as a filling compound.

Wencon Cream can be machined, drilled and worked like metal after curing. The compound 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 (1:1 by volume) reduce waste to a minimum and high specific volumes give high coverage rates.

Mix 1:1

Product numbers:		**IMPA no.**	**ISSA no.**
No. 1010	Wencon Cream, 1 kg (2,2 lb) unit	812335	75.553.20

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General description
Two component solvent free paste consistency epoxy repair compound.

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 1:1. Mix until an even colour is obtained.

Applying
Wencon Cream can be applied by spatula.

Pot Life
Depending on amount mixed and temperature. Mixed in small amounts, the pot life is approximately 30-60 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.

Machine-ability
After curing the product can be machined just like metal

Technical Data
Hardness Shore D: 75 (DIN 53505)

Tensile strength: 14,3 N/mm^2 - 2035 p.s.i. (DIN 53454)

Compressive strength:

Modulus of elasticity: 1689 N/mm^2 - 240,000 p.s.i. (DIN 53454)

Rcrack: 58 N/mm^2 -8,500 p.s.i. (DIN 53454)

Adhesion to steel: 14,40 N/mm2

Specific volume
775 ccm per kilogramme (49,5 cu inch/kg)

Temperature Resistance
Corrosion: 60°C (140° F)

Light load: 120°C (248°F)

As filler: 250°C (482°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.

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