

### Wencon UW Cream - wet surface

The excellent cream for applying on wet surfaces or under water, with a very good adhesion.

- Can be applied on wet surfaces or under water
- Cures under water and on wet surfaces
- For filling up cavitation damages
- Long pot-life under water
- Strong adhesion to all metal surfaces

Wencon UW Cream is a two component cream, to be applied on wet surfaces or under water. The UW Cream is excellent for filling up holes, dents and rebuilding of surfaces which, due to high humidity, have to be done in wet conditions.

After curing Wencon UW Cream will exhibit a wide range of the characteristics of metal, which together with a good adhesion makes the system most suitable as a repair compound for repairing corroded and worn metal.

Wencon UW Cream is non conducting and can neither corrode or bi-metallic corrode.

Typical applications are corroded hulls and all underwater parts of ships and structures, tanks, pipes, flange faces, etc. It is also excellent for filling up cavitation damages on hulls and rudders.

After curing Wencon UW Cream is resistant to oil, saltwater, water, most diluted acids and a range of solvents.

Wencon UW Cream has to be mixed above water in the mixing ratio 1:2 by volume. The pot life will be 25-35 minutes, depending on the temperature. Curing will take place in 10-18 hours, depending on the temperature. Curing requires a temperature of minimum 10°C but better at 17-23°C or higher.

**Product numbers:**

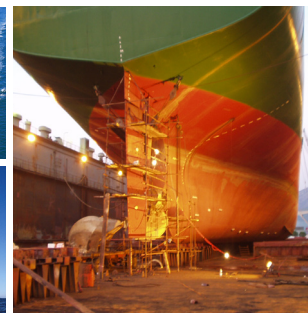
No. 1014 Wencon UW Cream, 0,5 kg (1,1 lb) unit

**IMPA no.**

812334

**ISSA no.**

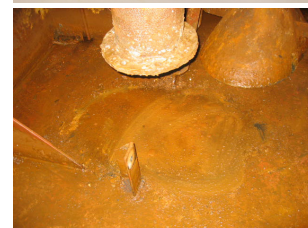
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No. 4 - 01.04.2013



Mix 1:2



## General description

Two component solvent free pasty consistency epoxy repair compound, for applying under water or on wet surfaces.

## Surface preparation

Before applying, the surface must be clean from loose paint, scales, under water growth, etc. A mechanical cleaning will do, but even better, if possible, hydro jetting.

## Mixing ratio

Mix by volume 1:2. Mix until an even colour is obtained. The mixing has to take place above water. After mixing, the product can be taken into the water.

## Pot Life

25-35 minutes at 20°C (68°F) depending on amount mixed and the temperature.

## Curing time

Curing will take place in 10-18 hours, but only if the temperature allows it to cure. Curing requires a temperature of at least 10°C (50°F), but better at 17-23°C (62-73°F) or higher. If the product has to be exposed to chemicals, let it cure for 7 days, before the exposure.

## 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: 79 (DIN 53505)

Tensile strength: 35,8 N/mm<sup>2</sup> - 5094 p.s.i. (DIN 53454)

Compressive strength:

Modulus of elasticity: 2631 N/mm<sup>2</sup> - 375,000 p.s.i. (DIN 53454)

R<sub>crack</sub>: 134 N/mm<sup>2</sup> -19,000 p.s.i. (DIN 53454)

Adhesion to steel: 33 N/mm<sup>2</sup>

## Specific volume

526 ccm per kilogramme (33,6 cu inch/kg)

## Temperature resistance

Corrosion and heavy load: 60°C (140°F)

Light load or no load: 100°C (212°F)

As filler: 160°C (320°F)

## Chemical resistance

After curing, the Wencon UW Cream will be resistant to oil, water, saltwater, most diluted acids and 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.