

Wencon UW Cream for wet surfaces or under water

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

General information

Wencon UW Cream is a two-component compound 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 show many of the same characteristics of metal, together with outstanding adhesion to all metallic surfaces, this makes the compound highly suitable for repair and rebuilding corroded and worn metal surfaces.

Wencon UW Cream is non-conductive and will therefore not cause bi-metallic corrosion. After curing Wencon UW Cream is resistant to oil, salt water, water, most diluted acids and a range of solvents.

Application areas

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

Mixing

Wencon UW Cream has to be mixed above water in the mixing ratio 1:2 by volume.



Product numbers:

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

IMPA no.

812334

ISSA no.

75.553.91

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

Depending on amount mixed and the temperature. Mixed in small amounts, the pot life is approximately 25-35 minutes at 20°C (68°F)

APPLYING

Wencon UW Cream is applied using the spatula supplied with the kit.

In order to ensure close contact, be sure to work the product well into the surface to be treated.

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 coating shall be exposed to chemicals, let it cure for 7 days before 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.

MACHINABLE

After curing, the product can be machined, drilled and worked like metal.

TECHNICAL DATA

Hardness Shore D: 79 (**DIN 53505**)

Tensile strength: 35,8 N/mm² - 5094 p.s.i. (**DIN 53454**)

Compressive strength:

Modulus of elasticity: 2631 N/mm² - 375,000 p.s.i. (**DIN 53454**)

Rcrack: 134 N/mm² - 19,000 p.s.i. (**DIN 53454**)

Shear adhesion: 33 N/mm² - (**ASTM D1002**)

Adhesion to steel: 7,5 N/mm² - (**ISO 4624**)

SPECIFIC VOLUME

526 cm³ per kilogramme (32,1 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

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

SHELF LIFE

At 20°C (68°F) : 3 years

HANDLING PRECAUTIONS

Read the Wencon Instruction for Use and the Material Safety Data Sheet.