

Wencon UW Putty for wet surfaces or under water

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

- Can be applied on wet surfaces or under water
- Cures under water and on wet surfaces
- Stop leaking pipes and tanks
- Long pot-life under water
- Strong adhesion to all metal surfaces

General information

Wencon UW Putty is a two-component compound, to be applied on wet surfaces or under water. The UW Putty is excellent for filling up holes, dents and rebuilding of surfaces which, due to high humidity, have to be done in wet conditions. Wencon UW Putty is developed for applications, where bigger quantities is needed in one process.

After curing Wencon UW Putty will exhibit a wide range of the characteristics of metals, which together with outstanding adhesion to all metallic surfaces, makes the compound highly suitable for repair of corroded and worn metal.

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

Application areas

Typical applications are corroded hulls and all underwater parts of vessels and structures, tanks, pipes, flange faces, etc. Wencon UW Putty is also suitable for filling gaps and holes under water or on wet surfaces, before completion with Wencon UW Cream or UW Coating.

Mixing

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



Product numbers:

No. 1012 Wencon UW Putty, 1 kg (2,2 lb) unit

IMPA no.

N/A

ISSA no.

N/A

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.

APPLYING

Mix the product 1:1 on a mixing plate. Then continue in your hands, wearing wet protection gloves. Mix until the product has an even colour without any "stripes" and press/rub the UW Putty hard against the surface, by hand or by using a spatula.

POT LIFE

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

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.

MACHINABILITY

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

TECHNICAL DATA

Hardness Shore D: 76 (**DIN 53505**)

Tensile strength: 17,6 N/mm² - 5094 p.s.i. (**DIN 53454**)

Compressive strength:

Modulus of elasticity: 3400 N/mm² - 375,000 p.s.i. (**DIN 53454**)

Rcrack: 25,3 N/mm² -19,000 p.s.i. (**DIN 53454**)

Shear adhesion: 15,90 N/mm² - (**ASTM D1002**)

Adhesion to steel: 6,5 N/mm² - (**ISO 4624**)

SPECIFIC VOLUME

556 ccm per kilogramme (35,6 cu inch/kg)

TEMPERATURE RESISTANCE

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

Light load or no load: 95°C (199°F)

As filler: 95°C (199°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.