

Wencon UW Coating (Low Viscosity)

An excellent liquid coating for spray and brush applications.

- Convenient spray functionality
- Can be applied on dry or wet surfaces by brush
- Cures underwater and on wet surfaces
- Strong adhesion to all metal surfaces
- Compatible with GRE, composites and concrete

General information

The Wencon UW Coating LV is essentially identical to Wencon UW Coating. Its low viscosity allows it to be presented in cartridges, providing the following advantages:

- Spray application
- Injection
- Direct Hose/Brush application
- Smooth automatic mixing

The two-component product mixes directly in the static mixer nozzle, ensuring an optimal mixed product ready for application. The UW Coating LV is significantly faster compared to traditional packs that require manual mixing and brush application.

Once cured, Wencon UW Coating LV provides a smooth, non-porous coating resistant to bi-metallic corrosion, light chemical attack, corrosion, and impingement.

Wencon UW Coating LV, contains no solvents.

Application areas

Specially designed for larger application areas, typical applications include coatings for steel, composite, and GRE surfaces.

Bringing repair and maintenance solutions for, but not limited to, scrubber overboard outlet, sea water strainer, rudder blades, bow thruster or tanks for example.

NB. Cathodic protection systems must be isolated/disconnected, and surfaces must be allowed to depolarize before application.

Mixing

Mix by volume 2:1. The product is mixed by the static mixer when dispensed from the cartridges.



Product numbers:

No. 4550 Wencon UW Coating LV. 1,125ML unit

IMPA no.

N/A

ISSA no.

N/A

GENERAL DESCRIPTION

Two-component, solvent-free liquid coating for protection against corrosion, bi-metallic corrosion, erosion, and impingement. The coating can be applied on wet surfaces.

SURFACE PREPARATION

Optimal: We recommend that the surface preparation prior to the application complies with ISO 8501 or a comparable quality certification to ensure the desired level of quality is achieved.

Minimum: Before applying, the surface must be clean from loose paint, scales, underwater growth, etc. Mechanical cleaning is sufficient, but hydro-jetting is preferred where possible.

MIXING RATIO

Mix by volume 2:1. The product will be automatically mixed by the static mixer when dispensed from the cartridges.

POT LIFE

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

If preheated to 35°C (95°F), the pot life of Wencon UW LV will be 3 to 5 minutes.

APPLYING

Wencon UW Coating LV can be applied using traditional spatula, brush or roller.

When using a pneumatic dispenser and accessories, it can be sprayed, injected or brushed directly from the cartridges.

OVER COATING

If a double layer is required, the overcoating time may range from 1 to 3 hours, depending on the temperature. It is important to apply the second layer while the first layer is still tacky, which typically takes between 2 to 6 hours.

CURING TIME

Curing will occur within 10-18 hours at 20°C (68°F).

If the coating is to be exposed to chemicals, allow it to cure for 7 days before exposure.

REDUCED CURING TIME WITH INFRARED

This product has been tested with and is suitable for infrared curing. Curing with infrared radiation can significantly reduce curing time.

MACHINABLE

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

COVERAGE RATE

Approximately 0.8 m² per kg per coat.
(0.4 lb/sq. ft)

TECHNICAL DATA

Hardness Shore D: 80 (DIN 53505)

Tensile strength: 37 N/mm² 5366 p.s.i.

Compressive strength: Modulus of elasticity: 3282 N/mm² - 476000 p.s.i.(DIN 53454)

Rcrack: 130 N/mm² -19000 p.s.i.(DIN 53454)

Shear adhesion: 31,1 N/mm² - 45106 p.s.i. (ASTM D1002)

Adhesion to steel: 7,5 N/mm² - 10877 p.s.i. (ISO 4624)

SPECIFIC VOLUME

524 cm³ per kilogram (32,6 cubic inches/kg)

TEMPERATURE RESISTANCE

Corrosion or heavy load: 60°C (140°F)

Light or no load: 100°C (212°F)

As filling compound: up to 160°C (320°F)

CHEMICAL RESISTANCE

The coating is resistant to oil, water, saltwater, most diluted acids and alkalis, as well as a range of solvents. Please refer to the chemical resistance list.

FIRE RESISTANCE

Tested according to IMO Resolution MSC 307(88)(2010 FTP Code) Annex1: Part 2 and 5

SALT SPRAY TEST

Tested according to ISO12944-9

SHELF LIFE

At 20°C (68°F) : 3 years

HANDLING PRECAUTIONS

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