

WENCON® UW COATING

Application Guide and Technical Data Sheet

WENCON UW Coating is an abrasion and corrosion resistant two-component epoxy, that will adhere and cure on dry, wet as well as submerged surfaces. Suitable for touch-up repairs on superstructures and pipings in general.

100 % solid and solvent free coating, capable of building up to 500µm thickness in one layer.

WENCON UW Coating can be applied on surfaces where it is not possible to obtain a 100 % clean and dry repair area, in splash-zones as well as underwater.



RECOMMENDED SURFACE PREPARATION

Option 1 - Optimal: Grit blast the surface to Sa 2,5 (ISO 8501) and roughen to min. 60 µm.

Option 2 - Minimal: Preparation with powertools to roughen the surface to St 2 or St 3 (ISO 8501).

MIXING

Component A and Component B are combined in the static mixer nozzle that is screwed on to the cartridge before application can begin.

Discard the first 1 cm, of the product until product is evenly coloured, and begin application.

If the product has cured, replace the nozzle with new static mixer nozzle.

APPLICATION

Apply using a brush or spatula, single or double layer.

OVERCOATING

Overcoating is optimally performed in the timeframe between tack free and cured.

Min: 3 hours > < Maximum 8 hours at (20°C/68°F)

Time interval is extended at lower temperatures and shortened at higher temperatures.

Overcoating on cured surface

It is recommended to roughen the surface before application.

COMPATIBILITY

WENCON UW Coating is in general compatible with other epoxy-polyamide / amine paint & polyurethane coatings. These substrates bond well to each other as long as the surfaces are clean and slightly abraded. If required, contact WENCON for confirmation hereof.

Tested and compliant with ISO 12944-9 and ISO 4623 standards.

HEAT RESISTANCE °C

Corrosion	- 50 °C to + 60 °C
Light or no load	- 50 °C to + 100 °C
For filling only	- 50 °C to + 160 °C

CURING

	@ 20°C / 65% RH
Tack-free	3 hours
Cured	8 hours
Full cured	7 days

PHYSICAL PROPERTIES

Consistency	fluid
Mixing ratio vol.	A:B = 2:1 (volume)
Apply with	spatula/brush
Potlife at 20 °C	20-35 min.
Curing time	8 - 18 hours
Machinability	yes
Hardness shore D	79
Tensile strength Rcrack	37,50 N/mm ²
Compressive strength Rcrack	133 N/mm ²
Compr.strength modulus of elasticity	3.117 N/mm ²
Shear adhesion	31,90 N/mm ²
Adhesion to steel	>7,5 N/mm ²
Specific volume	535 cm ³ / kg
Dielectric strength	10 KV/mm
Shelf life	36 months