

Product Description	
General	<p>Solvent-free epoxy-phenolic coating formulated for one-coat applications up to and including 1,000 microns, without dripping. After complete polymerisation, the coating has a glossy and smooth appearance, provides an effective and durable barrier and anti-corrosion protection with good resistance to corrosion.</p> <p>Can be applied by airless spraying directly onto sandblasted steel.</p> <p>Meets the requirements of E11541 (inside coating of tanks containing aviation fuel).</p>
Suitability	<p>The product is particularly suitable for coating products where high resistance over time is required, such as</p> <ul style="list-style-type: none"> • internal coating of tanks and pipes containing aviation fuel; • external coating of pipes, joints, valves and bends to be buried or immersed in salt water (piping); • external cladding of steel piles and jetty structures that are to be immersed in fresh or salt water, or that are in underwater areas. • piles and structures of steel jetties where they are immersed in fresh or salt water or are in shoreline areas subject to continuous splashing; • internal coating of tanks (vitrification) intended to contain petroleum products. Applied together with glass fibre, with cut and spray equipment, for fibre-reinforced applications; • used in single to double wall tank conversion cycles; • internal lining of tanks intended to contain industrial wastewater; • external coating of tanks intended for burial; • lining of tanks for containment of different aggressive chemicals.
Advantages	<p>The coating, after complete polymerisation, is characterised by:</p> <ul style="list-style-type: none"> • excellent resistance to corrosion in fresh and salt water; • excellent weathering corrosion resistance; • excellent resistance to impact and abrasion; • excellent adhesion; • excellent chemical resistance to continuous contact with fuels such as petrol and diesel; • excellent dielectric continuity (DIN 30670 - DIN 30672 - UNI 5256); • excellent resistance to cathodic disbonding.

Specification	
Mixing ratio by volume	2 parts Component A: 1 parts of Component B
Mixing ratio by weight	100 parts Component A: 42,5 parts of Component B
Thinning	The product must not be diluted. Dilution may affect its chemical and mechanical resistance.
Density of the mixture	1380±50 kg/m³
Solid content	100 % (theoretical value)
Pot life	Temp. Pot life




	25 °C 30 min Higher temperature significantly reduces the pot life									
Theoretical yield	Approx. 700 g/m ² (dry film thickness 500 micron)									
Hardening / recoatability	<table border="0"> <tr> <td></td> <td>at 20°C</td> <td>30 °C</td> </tr> <tr> <td>Dust free</td> <td>~4h</td> <td>~3h</td> </tr> <tr> <td>Full dry</td> <td>5-7 days</td> <td>3-4 days</td> </tr> </table>		at 20°C	30 °C	Dust free	~4h	~3h	Full dry	5-7 days	3-4 days
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	<p>Recoatable Min. 8 hours Max. 48 hours and 65 Shore D</p> <p>If the maximum hardness of 65 Shore D is exceeded, the surface has to be sanded slightly to assure a sufficient adhesion for wet-on-dry application.</p>									
Colour	Various									
Packaging	Comp. A: 14,00 kg Comp. B: 5,95 kg									
Storage life	The product can be stored indoor for 24 months at storage conditions between 10 and 30 °C and humidity below 90%. Temperatures outside of this range reduce the storage life. However, in any case the temperature shall not exceed 4-35°C.									
Art. No.	Component A: W-D0161 Component B: W-D0162									

Application

Subsurface	<p>Steel: Surface preparation according to ISO 8501-1 grade SSPC-SP 10 equal to grade Sa 2 ½ of SIS 055900-1967, roughness higher 60 microns. Roughness beyond 80 micron might require higher dry film thicknesses.</p> <p>Cement: Ensure complete curing of the cement, at least 28 days at 21°C and 50% relative humidity. Remove loose and friable parts Remove grease, oil or other contaminants according to ASTM D-4258 and roughen the surface according to ASTM D-4259.</p>
Application	<p>The product can be applied by airless spraying application (Bi-mixer or premixed spraying), by roller and brush.</p> <p>In case of premixing it is recommended to bring the material to temperatures of 25-30°C, taking care of the correct mixing ratio and mix the materials with a mechanical stirrer for at least 3 minutes homogeneously. Compression ratio of the system's pumping elements is recommended to be at least 60:1 and at least 250 bar.</p> <p>Depending on the spraying equipment it is advisable to eliminate the filters of the system. Nozzles sizes from 0.21" to 0.31" with an aperture of 40° or 50° if possible, can be used. The required thickness is achieved in several wet-on-wet passes. While applying colour of film is milky white. After drying it gets colourless.</p>
Mixing	Slowly pour the resin into the hardener while mechanically mixing continuously until both components are entirely homogeneous. Continue to add the thinner under the same conditions.

Climatic conditions	Do not apply at temperatures below 10°C and above 50°C. The temperature of the product must be in a temperature range of 10°C to 30°C for application. Do not apply the product at the direct sun exposure, the temperature of the surface to be painted must be at least 3°C higher than the dew point temperature to avoid conditions where condensation may occur on the surface. The humidity must not exceed 85%. The relative humidity, however, must not be higher than 80%.
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Safety Precautions

Precautions to be observed	Safety measures should be taken in accordance with the material safety data sheet. Local legal, health and safety regulations apply.
Liability	The above information is based on numerous tests and many years of experience. Liability for the application of the described product cannot be accepted as the results largely depend on the proper treatment and application of the material.
Hazard information	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Exclamation Mark</p> </div> <div style="text-align: center;">  <p>Environment</p> </div> <div style="text-align: center;">  <p>Corrosion</p> </div> </div>
Transport information	Comp. A UN 3082 Comp. B UN 2735