

REC EPO COAT WB 9

Elastomeric, chemical resistant epoxy polysulphide coating

PRODUCT

REC EPO COAT WB 9 is a 2 component, elastomeric epoxy polysulphide coating specially developed for its high crack bridging, to protect concrete and steel against a wide range of chemicals, fuels, oils, sea water and sewage.

SCOPE OF USE

- Culverts, canals and intake channels
- Sewage & sludge aeration and Sedimentation tanks
- Concrete & metal tanks containing chemicals, oils and fuels
- Sub-structural waterproofing
- Oil & Gas sector

ADVANTAGES

- Flexible
- Crack bridging ability
- UV resistant
- Excellent chemical resistance
- Good abrasion resistance
- No need for primer
- Waterproof & protective coating

CHARACTERISTICS	
Color	Grey & black
Mixed density	1.4±0.05
Pot life at 24°C	50 mins
Tack free time at 24°C	6 hrs
Full cure at 24°C	7 days
Time between coats at 23°C at 40°C	24hrs 8hrs
Tensile strength at 7 days ASTM D 412	7MPa
Elongation at 7 days ASTM D 412	>27%
Tear Strength ASTM D 1004	13N/mm
Shore A hardness ASTM D 2240	90
Crack bridging ability EN 1062	2.5mm
Petrol vapor transmission ASTM E96	Nil
Rapid chloride permeability ASTM C 1202	Nil
Bond strength on concrete ASTM D 4541	5MPa

Bond strength on steel ASTM D 4541	10 MPa
Water permeability at 5 bars DIN 1048	Nil
UV resistance till 7 days (Grey color) ASTM G 154	Resistant (UVA-340)
UV resistance till 28 days (Black color) ASTM G 154	Resistant (UVA-340)

*Test done at lab condition and values subject to a variation of ±10%.

CHEMICAL RESISTANCE

Sulfuric acid solution (15%)	Resistant
Ethylene Glycol	Resistant
Sodium Hydroxide (50%)	Resistant
Engine oil	Resistant
Skydrol	Resistant
Citric acid (10%)	Resistant - Slight blistering observed
Bleach (5%)	Resistant
Diesel, Petrol	Resistant
Saturated urea	Resistant
Potassium Hydroxide (50%)	Resistant
Sea water	Resistant
Sewage water	Resistant
Industrial wastewater	Resistant
Lactic acid (10%)	Resistant
Crude oil	Resistant
Hydrochloric acid (32%)	Resistant
Nitric acid (20%)	Resistant - Discoloration

APPLICABLE STANDARD

ASTM D 543 Immersion test (Practice A: Procedure 1) for the above mentioned chemicals.

INSTRUCTIONS FOR USE

SURFACE PREPARATION

The substrate must be clean and free from dust, dirt, laitance, oil and grease. Concrete must be cured for 28 days. Steel: All surfaces should be grit blasted to meet the requirements of SA 2, first quality or equivalent



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PRODUCT PREPARATION

First Part A should be mixed for 30 seconds with low speed drill. The hardener should be added to the base and mixed thoroughly: 2 to 3 minutes, using a slow speed electrical drill, until a uniform color and consistency are obtained.

PRODUCT APPLICATION

REC EPO COAT WB 9 can be applied to the surface by brush, roller or spray. Two coats are recommended (each coat 250 microns DFT); the second coat should be applied to the first coat within the specified overcoating times. Ideal substrate temperature is between +15°C and +30°C. Ideal material temperature is +20°C to 25°C. You can remove **REC EPO COAT WB 9** from tools by using only solvent while it is still wet.

CONSUMPTION

4m /liter per 250 microns DFT.

STORAGE

1 year from manufacturing date, in well closed containers stored in cool and dry conditions at temperature between 5°C and 30°C.

SAFETY PRECAUTIONS

Application should be done in a ventilated area away from any heat source. Wear protective gear for hands and eyes and avoid breathing of vapor. If mixed resin comes into contact with the skin, it should be promptly removed before hardening, followed by thoroughly washing the skin with soap and water. In case of heavy vapor inhalation, place affected person in an open-air area. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting. In all cases, seek medical attention. In case of fire, use CO2 foam to extinguish. Tightly seal containers when not in use, store them away from heat and carefully dispose empty ones.

DISCLAIMER

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