

Eco-friendly hydrophobic protective coating for concrete

PRODUCT

webercote protect PE is a single component, high performance protective coating based on a hydrophobic polyester resin, formulated to protect concrete from corrosion and deterioration.

webercote protect PE, when cured, provides an excellent abrasion and chemical resistance.

SCOPE OF USE

webercote protect PE is developed to be used:

- For underground structures and foundations protection.
- As a protective coating and curing compound for concrete.

ADVANTAGES

- Easy to apply
- UV stable
- Environmentally friendly
- Water based single component
- Good chemical and abrasion resistance
- Excellent resistance to chloride and sulphate
- Can be applied on damp concrete after 24 hours of placing
- Protective coating and curing compound in one application.

CHARACTERISTICS

Specific gravity	1.29 ± 0.05g/cm ³
Color	Grey
Solid content (weight)	55%
Recoating time	6-7 hours @ 25°C
Complete cure	7 days @ 25°C
Drying time (ASTM D 1640)	73 minutes @ 23°C
Water absorption (BS 1881 Pt.122)	0.1%
Water permeability (BS 12390 Pt.8)	Nil
Adhesion strength (ASTM D 4541)	2 MPa
Curing efficiency (ASTM C 309)	Comply (Applied on 24 hours cured mortar)
Chloride Ion Penetration (ASTM C1202 : 2019)	Very low
VOC (ASTM D 3960)	13.1 g/l

CHEMICAL RESISTANCE

Lactic acid 20%	Excellent
NaOH 10%	Excellent
Ethylene Glycol 40%	Excellent
CuSO ₄ 25%	Excellent
ZnSO ₄ 25%	Excellent

PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
25 Kg	25 Kg	25 Kg	25 Kg	25 Kg	25 Kg	25 Kg	25 Kg

Nitric Acid 5%	Excellent
Acetic Acid 20%	Excellent
Magnesium Sulphate 25 %	Excellent
Diesel	Excellent
Tap water	Excellent
Sea water	Excellent
Ground water	Excellent
High sulphate water	Excellent
Distilled water	Excellent

APPLICABLE STANDARD

webercote protect PE complies with ASTM C 309 requirement in term of water retention (applied at 24 hours) and ASTM D 543 for the above mentioned chemicals.

INSTRUCTIONS OF USE

SURFACE PREPARATION

The substrate must be clean and free from dust, dirt, laitance, oil and grease.

PRODUCT APPLICATION

Stir well before use, **webercote protect PE** can be applied by brush or roller.

Two coats are recommended; the second coat should be applied to the first coat within the specified overcoating times.

Ideal application temperature is between + 10°C and + 40°C.

Cleaning

You can remove **webercote protect PE** by using only clean water while it is still wet.

CONSUMPTION

Protective coating: 2.5 m²/L @ 400 micron wft/coat (Two coats are recommended; coverage rates will highly depend upon substrate porosity).

Curing compound: 5 m²/L per coat

STORAGE

1 year from manufacturing date, in well closed containers stored in cool and dry conditions at temperature below 25°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

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

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