

Non-toxic solvent free, high chemical resistant, epoxy coating

PRODUCT

weberdry epo PW is a two-part, solvent free, non-toxic, epoxy resin based coating with outstanding mechanical properties. It is specially formulated to have excellent chemical and high abrasion resistance, as well as superb waterproofing features for concrete and metals surfaces.

SCOPE OF USE

weberdry epo PW is ideal to be used for

- Lining of potable water and food process structures, like storage areas and piping.
- Lining of chemicals storage tanks of petroleum and petrochemicals products.

Also it is used as a protective coating for water reservoirs, tanks, pipes, marine structures, oilfields, refineries, tunnels, etc.

ADVANTAGES

- Easy to apply, solvent free, non-toxic
- High abrasion resistance
- Approved for direct contact with potable water
- Easy to clean, smooth gloss finish
- Doesn't need primer
- Hygienic and anti-fungus growth
- Very good resistance to corrosion and chemicals attack
- Waterproof and protective coating

CHARACTERISTICS

Form	Liquid
Color	Grey, off white, other colors are available upon request
Solids Content, %	100
Density (ASTM D 1475) kg/ltr @ 25 °C	1.40 ± 0.05
Pot life min @ 25 °C	100
Initial setting time hrs @25 °C	12
Overcoat time hrs @25 °C	12-36
Full Cure time days @25 °C	7
Adhesion to concrete (ASTM D 4541) N/mm ²	> 3
Water Absorption (ASTM C 413) %	< 0.03
Tensile Strength (ASTM D 2370) N/mm ²	> 30



PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
5Kg kit	5Kg kit	5Kg kit	5Kg kit	5Kg kit	5Kg kit	5Kg kit	5Kg kit
20Kg kit	20Kg kit	20Kg kit	20Kg kit	20Kg kit	20Kg kit	20Kg kit	20Kg kit

Abrasion Resistance (ASTM D 4060)	44 mg/1000 cycles (C.S17 wheels)
Reduction in chloride ion uptake (Taywood method)	100%
Carbon dioxide diffusion resistance.	Class 1
Classification in accordance with BS EN 1062-1:2004 & BS EN 1062-6:2002	

APPLICABLE STANDARD

Complies with the requirement of BS 6920 for :

- Extraction of metals @ 65 °C.
- Extraction of substances that may be of concern of public health @ 65 °C.

BS EN 1062-1:2004 & BS EN 1062-6:2002 (Taywood Method)

CHEMICAL RESISTANCE

The fully cured **weberdry epo PW** is resistant to a wide range of chemicals:

Salt water
Benzene
Kerosene
Acetic acid 20%
Ammonia 20%
Chlorine

Citric acid 20%
Nitric acid (HNO₃) 20%
Lactic acid 20%
Soda solution (saturated) (Na₂CO₃)
Sodium hydroxide 40g/L
Phosphoric acid (H₃PO₄) 20%
Formic acid 10%
Alum at 60°C

INSTRUCTIONS FOR USE

SUBSTRATE PREPARATION

All surfaces should be clean, dry and free from grease, laitance, oil or dust. Remove all loose material. Moisture content should not exceed 5%. New concrete should be at least 28 days old. Old, loose coatings, dirt, fats, oils, organic substances and dust need to be removed by a grinding machine. Possible surface irregularities need to be smoothened, in prior to apply **weberdry epo PW**.

All steel substrates should be free from dirt, oil and grease and blast-cleaned to Sa 2½ according to EN ISO 12944, part 4.

PRODUCT PREPARATION

Pour the entire contents of the smaller can (hardener) into the base container and the material should be mixed well for at least two minutes by mechanical mixer using a slow or medium speed mixing drill.

The epoxy must be well mixed to ensure proper chemical reaction. After mixing, apply immediately.

PRODUCT APPLICATION

weberdry epo PW doesn't need primer. Once mixed, the material should be immediately applied using a brush, roller or spray ensuring a continuous coating of uniform thickness. Two coats are recommended to obtain the required protection level, keeping 12-36 hours in between them.

weberdry epo pw can be applied by brush, roller or airless spray for internal application.

Do not add solvent, water or thinner at any time during the mixing or the application.

CLEANING

Tools and equipment should be cleaned with epoxy thinner immediately after use.

COVERAGE

3.5 m²/ kg @ 200 micronS DFT, per coat

STORAGE

One year after manufacturing date in its original packing non open and in dry cool area.

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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