

Water-dispersible epoxy floor and wall coating

weber.tec EP coating WD

hardac EP coating WD



About this product

weber.tec EP coating WD is a high-performance, water-dispersed epoxy resin coating for floor and wall applications onto concrete. It is also suitable for sealing and protecting masonry. The product can be applied by roller, brush, or airless spray.

Technical data

Temperature	10°C	20°C	30°C
Pot life	180 min	90 min	45 min.
Overcoat/walk-on period	24 hours	8 hours	4 hours
Full cure	7 days	7 days	7 days
Abrasion	Taber abrasion 200 cycles Weight loss 20 mg. Calibrase CS17 Wheels 1000 g loading		
Adhesion to concrete	> 3.0 N/mm ² (concrete failure)		
Density after mixing	1.38		
Dry film thickness (2 coats)	120 – 200 µm depending on the dilution		

Uses

- Pharmaceutical floors and walls
- Food processing and preparation areas
- Schools
- Hospitals
- Bakeries
- Light engineering industries

Features and benefits

- ▲ Solvent-free
- ▲ Taint-free
- ▲ Can be applied onto damp surfaces
- ▲ Good abrasion resistance
- ▲ Product can be steam cleaned
- ▲ Resistant to a wide range of chemicals
- ▲ Class 1 surface spread of flame

Chemical resistance

weber.tec EP coating WD is resistant to a wide range of chemicals, such as hydrocarbon solvents, oils, alkalis, salts and grease. We would advise that our Technical Department is contacted on resistance to specific chemicals.

Fire resistance

weber.tec EP coating WD complies with BS 476-7:1987 – Class 1 Surface Spread of Flame and has a fire propagation index of 1.3 when tested to BS 476-6:1989.

EU VOC regulations 2008

EU limit for weber.tec EP coating WD (cat A/j): 550 g/l (2007)/140 g/l (2010).
weber.tec EP coating WD contains <1 g/l VOC.

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Preparation

weber.tec EP coating WD should not be applied in conditions where humidity exceeds 80% RH.

Substrates should be clean and free of dust, grease, oil or other contaminants. It is essential that a sound substrate is provided preferably by mechanical means to achieve a lightly abraded surface, followed by vacuum removal of dust. Remove and repair all degraded concrete prior to coating. Excess surface water should be removed to ensure rapid drying of the coating.

For maximum wear resistance, uneven substrates should be levelled prior to application of the coating.

weber.tec EP coating WD can be applied to fresh, hardened concrete provided standard curing procedures have been followed. All sprayed-on curing membranes must be completely removed.

weber.tec EP coating WD should not be applied to surfaces subject to negative hydrostatic pressure.

Any spalled or damaged areas must first be repaired and brought level using a suitable repair compound such as **weber.cem pyrapatch**, **weber.cem pyratop** or **weber.tec EP mortar**.

Priming

On very absorbent surfaces the product may be diluted with up to 10%, by volume, of cold, clean water. Do not use warm water as this may reduce the pot life.

Mixing

Pour the contents of the resin component (small bucket) into the hardener (large bucket) and mix with a slow speed drill and paddle for 3 minutes until a uniform colour and consistency is achieved. Ensure that no unmixed material is left on the sides or base of the bucket.

There is no facility for part mixes with the product.

Technical services

Weber's Customer Services Department has a team of experienced advisors available to provide on-site advice both at the specification stage and during application. Detailed specifications can be provided for specific projects or more general works. Site visits and on-site demonstrations can be arranged on request.

Technical helpline

Tel: (01525) 722110
Fax: (01525) 718988

Application

For good quality screeds, a two-coat application by a short/medium pile mohair or foam roller is recommended.

For uneven substrates, best results may be obtained by using brush or spray application.

Apply the second coat at right angles to the first. The second coat should not be applied later than 24 hours after the first coat.

Depending on the porosity of the substrate, **weber.tec EP coating WD** can, if desired, be diluted with up to 10% of clean water.

Do not use below 10°C.

Spray application

Mix **weber.tec EP coating WD** and dilute with up to 10% by volume of cold, clean water. **weber.tec EP coating WD** can then be applied using an airless spray at a pressure of 184 bar (2700 lbf/in²) with a nozzle size of 0.38 mm.

Do not apply **weber.tec EP coating WD** over movement joints.

Colours

weber.tec EP coating WD is supplied in the following standard colours:

Light grey RAL 7035
Mid grey RAL 7040

Additional colours to RAL standard, such as Red RAL 3009 and Beige RAL 1001, can be made subject to quantity and will carry a surcharge.

Cleaning

All equipment can be readily cleaned with water, preferably containing a little detergent, before the product sets.

Maintenance

In any flooring situation where chemical spillage or contact may occur, all chemicals should be removed immediately. To help extend the service life of the product, regular cleaning is recommended either by dry suction, water washing or steam cleaning up to 100°C, as appropriate to the type of contamination present. Do not scour or scrape the surface while hot.

weber.tec EP coating WD is resistant to a wide range of detergents, disinfectants and floor cleaners, but as the formulation of these products is beyond our control, it is recommended that the customer conducts a trial on a small area before general use. Avoid the use of acid or oxidising cleansers.

Packaging

The product is supplied in two polythene buckets (resin and hardener) which in total contain 4 litres.

Coverage

Coverage will vary according to the nature of the substrate. Based on a smooth dense surface, approximate coverage is 4 – 6 m²/litre for a two coat application. On rough, porous surfaces the approximate coverage is reduced to 3 – 4 m²/litre when applied in two coats.

Storage and shelf life

At least 6 months under good storage conditions. Storage temperature range: 5°C to 25°C.

Protect from frost.

Health and safety

Contains epoxy constituents. Refer to information supplied by manufacturer (see Material Safety Data Sheet).

All skin contact with epoxy resin products should be avoided. Barrier creams should be used and operatives should wear protective clothing including gloves. Working areas should be well ventilated.

The hardener content is alkaline and labelled as corrosive. The resin content is labelled as an irritant. The flash point of all components is in excess of 100°C. In the event of fire use foam, dry chemical, carbon dioxide (CO₂) or water fog extinguishers.

For further information, please request the Material Safety Data Sheet for this product.

To the best of our knowledge and belief, this information is true and accurate, but as conditions of use and any labour involved are beyond our control, the end user must satisfy himself by prior testing that the product is suitable for his specific application, and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors. Products are sold subject to our Standard Conditions of Sale and the end user should ensure that he has consulted our latest literature.

Sales enquiries

Weber products are distributed throughout the UK through selected stockists and distributors. For UK sales enquiries and overseas projects, contact **Weber's** Sales office.

Sales office

Tel: (01525) 722100
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