



SOLIDFLOOR EP (WB)

A Non Out Gassing Water-Based Epoxy Masonry Substrate Coating

DESCRIPTION

SOLIDFLOOR EP (WB) is non out gassing colored, water dispersed ready to use two component of epoxy coating.

USES

Ideal for use as wall, floor and steel surface coating, for protection of surfaces against dusting, rusty, non-porous, joint less sealing that are permeable to water vapor. These coatings are easily cleaned and highly resistant to fuels and lubricants as well as most solvents and many chemicals. Proven material for food industrial, assembly plant, pharmaceutical, warehouses, car parks, clean room environment and light industrial area where is hygiene.

TECHNICAL DATA

Density (28 °C) g / ml (mixed)	1.35 g / ml ± 0.05
Viscosity (28 °C) (mixed)	3500 ± 500 cps
Solid Content	± 78%
Application Thickness (DFT) / coat	± 200 µ
Number of Coat	2 or 3
Bond Strength	>1.5 Mpa (Concrete failure)
Abrasion Resistance (wear cycles 1000 revolutions)	Loss 5 mg
Cleaner	Water
ASTM E96 / E96M-10 Water Vapour Transmission, g / h.m ²	0.79 ±
ASTM D 4060 -10 Taber Abraser Wear Index in mg / 100 revolutions / 1kg	31 mg
Mixing Ratio by Weight	Part A : Part B 4 : 1
Pot life (working time) 28 °C	30min
Packing Size	5kg and 20kg
Shelf life & storage (unopened and in good conditions temperature 5 °C to 30 °C)	12 months
Recoating time (28 °C)	within 14 to 18 hours
Material Consumption	0.17 kg /m ² @ 120 µ
Estimated coverage at 150 µ / coat	5.5 m ² / kg
BS 6920 : Part 1:2000 Dissolved Oxygen difference (MDOD), mg / L	< 2.39 or less
Colors	RAL K5 Classic color chart available Satin finish

BENEFIT

- > Can be primer and top coated.
- > Less sensitive and tolerant with moisture when during application.
- > Environmentally friendly, zero VOC, solvent free, odorless.
- > Extremely good adhesion on concrete surfaces and most substrate.
- > Complied with BS 6920 requirement.

HOW TO USE

Surface Preparation:

- > Substrate concrete or screed should be a minimum of compressive strength 25 N / mm² and adhesive pull-off strength of minimum 1.5 N / mm² (concrete failure)
- > Concrete substrates must be prepared mechanically using diamond Grinding equipment to remove cement laitance and achieve an open textured surface.
- > Crack and hollows should be properly remedied.
- > Rough contaminations and high spots can be removed by grinding.
- > The substrate should be clean and free from laitance, oil, dust, paint residues, algae, loose and friable material must be completely removed from all surfaces before application of the product.

Mixing: Stir Part A mix for 30 seconds by using a suitable electrical stirrer (with 750 watt high power mixer), then add all of Part B (Hardener) and mix both liquid parts thoroughly for one minute until it fully achieved a homogeneous, then slowly add 5% ~10% of clean water while mixing continues for a further one minute 30 seconds until a fully homogenous mix has been achieved.

Application:

- > Apply **SOLIDFLOOR EP (WB)** can be use by suitable roller, brush or spray.
- > **SOLIDFLOOR EP (WB)** should apply within the pot life 30 minutes at 28 °C
- > Substrate temperature should not apply below 10 °C and temperature above 45 °C.

Thinning : Up to 5% ~10% of clean water help better penetration and workability.

Cleaning of Tools : Clean all tools and application equipment with water immediately after use.

Care And Maintenance : Regular cleaning and maintenance will prolong the life of **SOLIDFLOOR EP (WB)** floor topping. Regular cleaning using a single or double headed rotary scrubber with alkaline detergent is recommended.

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HEALTH & SAFETY

Safe handling of **SOLIDFLOOR EP (WB)** is given in the Safety Data Sheet. Suitable clothing and eye protection gear shall be worn for precaution purpose. The application site shall have good ventilation. If not, a portable exhaust fan shall be used.

QUALITY ASSURANCE

SOLID manufactures the entire range of construction chemical under compliance of SIRIM and other international standards (ASTM, BS, GBI, LEED).

TECHNICAL SERVICES

While new advance and changes will take place but one thing will never change is quality and meeting special needs of our customers. Our technical personnel and experts are available to provide additional information and technical assistance. We are eager to work with you in development of new product and resolve your problem.

Disclaimer : The information provided in the data sheets is based on both current development of work and years of field experience. Efforts are made to ensure that the information is reliable, however, we cannot accept the responsibility for any work carried out with our materials as we have no control over methods of application, site conditions etc. In view of continuing research and development (R&D) undertaken in our laboratories, we advise customers to ensure that the data sheets provided are not superseded by an updated publication. All products are sold are subject to our standard condition of sale, which is available on request. Field services, where provided, does not constitute supervisory responsibility. For additional information, please contact our local SOLID representative.



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