

MIXTOP EW

Water based epoxy resin floor coating system

Mixtop EW is a multi component, water based epoxy resin coating system to provide a continuous protection / dust proof finish to concrete / mortar and surfaces. Mixtop EW is formulated produce a smooth, non-gloss slip resistant finish, even in wet conditions. Mixtop EW is designed for one coat application on flat surfaces to achieve an approx thickness of 0.5mm to 1.5mm

Appropriation

Good general purpose protection and medium chemical, oils and liquid resistance to cementitious surfaces. In order to provide a hard wearing, easily cleanable, non dusting surface to concrete.

Can be used on floors of

- Ware house floors, garage floors
- Medical laboratories, garages
- Light industrial and food processing areas
- Food and beverages units
- Shopping malls
- Show rooms, kitchens and areas of light vehicular and pedestrian traffic

Advantages

- Easy to use and economical
- Good wear and abrasion resistance
- Good general chemical resistance
- Easily cleanable and non dusting surface
- Water vapor permeable
- Water miscible - safe in use, no odor
- Fast and can be applied on green concrete
- Resistance to high temperature conditions

Technical properties

Mix density: 1.51

Pot life: 30 minutes@30°C

Bond strength: 2.5n/mm²

Abrasion resistance: 250mg wt loss (CS17/1kg/1000cycles)

Service temperature:-20 to 60°C

Pot life @ 25°C: 1 hour after mixing

D F T: 0.5mm to 1.5mm

Water vapour transmission: 1.7g/h/m²

Full cure: 21 days@20°C

Pedestrian traffic time: 24hours@20°C

Product management

Surface preparation: Mixtop EW must be applied to a clean, dry substrate free laitance, dust, dirt, oil, grease etc. Surface cleaning includes, mechanical roughing, vacuum cleaning or shot blasting. Any defective concrete that will reduce the bond of the Mixtop EW to the surface uneven surface should be repaired by suitable Mixbuild repair systems before application of the coating. For difficult substrates we recommended primer sealer before the application of the coating.

Priming: Prime the surface with Mixprime WB. Priming is recommended based on substrate condition. Pour the base and reactor component to a clean vessel and mix together for one minute. Apply the mixed material to the pre soaked substrate ensuring there is no standing water. Application can be made by using a medium or short hair roller. Make sure the primer is completely tack free before application together for one minute. Apply the mixed material to the pre soaked substrate ensuring there is no standing water. Application can be made by using a medium or short hair roller. Make sure the primer is completely tack free before application.



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Mixing: Mix thoroughly the components before mixing together. Do not mix the components in the reactor container as minor settlement may occur. Pour the reactor, base into a suitable container which is sufficient to handle the whole mix then mix thoroughly using a suitable drill and paddle for a minimum of 1 or 2 minutes to obtain a homogeneous dispersion. The homogeneous is assessed when there are no colour streaks visible in the mix. Add the filler and mix well for five minutes.

Method of application: apply with a pin screed trowel or squeegee as a single coat at minimum thickness of 0.5mm to achieve a smooth finish. For thickness greater than 0.5mm apply by using a pin screed or serrated trowel. The coating should be rolled immediately after the application with a spike roller as soon as possible after application to achieve a uniform finish. Rolling should continue until all air is released and a uniform colour is obtained.

Always wear spiked shoes when rolling the Mixtop EW with a spiked roller.

After all preparation has been completed, ensure all dust is removed from the surface. Mixtop EM may be applied to green concrete that has been given a light brush finish, providing minimum laitance is present.

Good drying conditions are required to allow complete evaporation of the water as the resin cures. Adequate ventilation and air movement is necessary.

Cleaning: Clean all the tools with clean water immediately after the use. Hardened material can only be removed mechanically.

Coverage:

Mixprime WB: 6 to 7 m² / ltr

Mixtop EW: 2 m² / ltr @500 microns thickness

Note: The above coverage will vary according to the nature of substrate. All calculated usage assumes constant thickness on a regular substrate. Failure to achieve the required surface regularly will lead to additional material being used.

Packing & storage

Mixtop EW is available in 25kg packs. Store out of direct sun light, clear of the ground on pallets from rain fall and protected from extreme temperatures. Shelf life is 12 months in un opened packs.

Health & Safety

Mixtop EW contains no hazardous substance. As with all construction chemical products, caution should always be exercised. PPE shall be worn whilst handling. Wearing long sleeve overall, safety shoes and face mask is recommended for maximum safety. Reseal all containers after use and ensure product is stored as instructed on the safety section of the labeling. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. For more details, please refer to the MSDS released on each Fab product

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Technical information given in this datasheet is true and exact to the best of our knowledge, laboratory upshot and hands-on application. The datasheets of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of the publishing is as in this sheet. All data are mean of numerous tests, assessment and analysis conducted under laboratory ambiance. Climatic disparity in temperature, humidity, etc. and porosity of substrate may impinge on the values.

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