

PRODUCT DATA SHEET

PRODUCT: E540

Supaseal Surface Hardner

Description

E540 is a one part low viscosity floor hardner and sealing compound that is applied to concrete.

Principal uses

Enhancement of concrete floors where a hard surface with moderate abrasion resistance is required in factories, shopping malls, parking bays, and industrial units. Often used where no specific curing standard is required

Advantages

Simple and easy to apply

- New or old floors can be coated
- Improved chemical and abrasion resistance
- Reduces dusting of concrete floors
- Reduces moisture loss in new concrete
- Environmentally friendly

Surface preparation

Ensure area is free of any oil, grease etc. Remove all dust and loose matter using an industrial vacuum or soft broom. Ensure floor surface is dry before applying E540

Pot life & Curing

The product has a 40 minute pot life at an ambient temperature of 25°C. Should the temperature increase, expect an accelerated reaction. In typical applications the product will be touch dry in 4 hours and fully cured in 3 days.

Application

Mixing- stir well before use

Application- Use a watering can or low pressure spray equipment to spread E540 over the surface of the concrete. E540 must be swept backwards and forwards over the surface with a squeegee to ensure an even film and good penetration. Any excess product not absorbed must be removed before drying. A second coat must be applied 24 hours after initial coating. Floors must be washed down after 2 days with clean water
Clean equipment with water

Yield

Recommended application rate;

Smooth floors 5-8m² per L

Power floated floors 8-10m² per L

The mentioned figures does not include any additional material required due to surface profile and porosityer floated floors 8-10m² per .

Limitations

- Do not use E540 on bricks or masonry
- Protect bricks, paint and glass against splashes.
- Do not use on substrates treated previously with curing agents or membranes until these layers have been removed completely
- Performance enhancement of the substrate will vary greatly depending on the age, cement content, porosity and penetration of the product into the substrate
- Working temperature between 5-30°C

Safety & Handling

Epoxy resin components may cause skin irritation. The product is low in acute oral toxicity. At room temperature, there is exposure to vapours from the product that may cause allergic skin reaction in humans. Safe handling can best be accomplished by adhering to the following rules:

- Work in well ventilated areas
- Wear PVC gloves, safety glasses and aprons
- Use soap and water after using epoxies to remove any residue
- In the event of contact with eyes flush with copious amounts of water. Seek immediate medical attention
- Prior to mixing and curing the product is harm full to the environment

Packaging

The following sizes are available; 5L, 25L & 200L Drums

Shelf life & storage instructions

12 months when stored in a cool dry place, failure to comply with these recommendations will result in a reduction in shelf life