



Sealex Industries

Waterproofing Systems, Sealers & Sealants

EP 450

2 part High solids solvent Epoxy

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Description Two pack high solids, high build epoxy
Excellent adhesion
Excellent chemical / oil resistance
Exceptionally hard wearing
Easy to clean

Use Areas Long term protection to concrete and steel for a wide range of industrial applications:
Factories / Warehouses
Aircraft hangers
Garages / Car parks
Food processing areas / Abattoirs
Breweries / Wineries
Showrooms
Plant rooms
Chemical manufacture and spill areas etc.
Steel structures

Technical Information

Colour: N35 Light Grey, Beige, other colours available.
Finish: Gloss or satin.
Solids: Approx 85% by volume.
Coverage: 1st coat 6-8m²/L, 2nd coat 4-5m²/L
Rec.Film: Note: Alternatively, apply first coat of Sealex EP250 water based epoxy, and then one coat EP450.
Thickness: Approx. 250-350 microns dry film thickness
Chem Resistance: Contact Sealex for specific recommendations. Resistant to a wide range of acids and alkalis, vegetable and mineral oils. Not resistant to strong oxidising acids, phenols or amines.
Abrasion Resistance: Very good.
Solvent Resistance: Excellent for many solvents. Refer Sealex for specific recommendations.
Weathering: Chalking will occur during full sunlight exposure without loss of film integrity. Can be overcoated with Sealex top coats for UV resistance
Concrete: New concrete should be allowed to cure for 28 days prior to coating. Surface must be sound, dry, free from all loose material, laitance, old coatings, dust and surface contaminants (e.g. oil, grease, chemicals, release/curing agents etc.).
Smooth or contaminated surfaces must be mechanically

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➤ Surface Preparation Continued....

Concrete: treated by abrasive blasting or grinding to achieve a clean anchor pattern for best adhesion. Oily surfaces must be detergent cleaned and water blasted. In some instances acid etch and water blasting may be adequate to form a 'key' for sufficient adhesion. Test suitability of surface by sprinkling a few drops of water onto concrete. Water should be readily absorbed and not form globules on the surface. Check adhesion by applying to a test area.

Self levelling compounds such as cementitious or epoxy may be used prior to application of EP450 depending on the mechanical use of the floor. Ensure compatibility of EP450 with levelling compound prior to application. Follow installation procedures of levelling compound when laying.

Steel: Surface to be free of oil and grease. Abrasive blast clean to appropriate finish. Coat within 4 hours, minimum dry film thickness 250mm in two coats.

➤ Application Data

Mixing Ratio: Pack A + Pack B = 3:1 by volume.

Thinning: Thin as necessary with V114 Fast Thinner

Pot Life: Approx 1 hour at 20°C

Touch Dry: 6 hours @ 20°C
Light Foot Traffic 24hrs @ 20°C

Drying Time: Full Cure 6 Days @ 20°C

Mixing: Power stir Pack A, then blend with Pack B to correct ratio. Power stir thoroughly for at least two minutes prior to use. Only mix required amount and use within the stated potlife. Allow to stand for 15 minutes.

Equipment: Apply evenly with a 10-13mm nap roller, or by brush or airless spray, taking care to apply at specified coverage rate. Primer coat may be thinned 15% with V114 thinners

Clean Up: V114 Thinners

Shelf Life: 12 months if stored above 8°C in sealed containers.

➤ Health & Safety

Please Note: Please refer to the material Safety Data Sheet before using this product.

All applicable statutory regulations must be observed in the application of this product.

Note: The figures quoted for pot life and drying/curing times are not definitive. They are dependent on site conditions, such as volume of material mixed, ambient and substrate temperatures, weather and ventilation.

DISCLAIMER

Since the use and application of this product is beyond our control we cannot be held responsible for product field performance. The information represented above is the result of our considerable experience with this product but is not to be construed as a performance warranty.

For additional information, phone our Customer Service Centre on 1300 555 955

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