

FORMINEX[®] WATERBASED EPOXY FLOOR COATING

DESCRIPTION: FORMINEX WATERBASED EPOXY FLOOR COATING is a two-pack, water based epoxy finish for most types of floor including concrete, timber and fibre cement. It can also be used as a coating for most types of vinyl and lino floor covering. Being water based it offers 2 major advantages over older solvent based epoxy floor finishes; low odour and low VOC, tolerant of green or damp concrete. Being an epoxy it possesses excellent chemical, oil and grease and abrasion resistance. FORMINEX WATER BASED EPOXY FLOOR COATING can also be used with SPESCOAT ADD-GRIP for maximum slip resistance.

USES: A wide range of flooring applications from domestic to heavy industrial. Eminently suitable for food preparation and packing areas but also suited to chemical plant, factories and car parks. It can be used in most industrial and marine environments.

SURFACE PREPARATION

CONCRETE FLOORS: Concrete floors must be free from pooled water and must not be wet. Damp or green concrete can be successfully coated. The concrete must be thoroughly clean and oil free. FORMINEX SUPER-CLEAN may be used to aid removal of oil and grease. Then mix 1L Hydrochloric Acid into 9L water. Scrub onto surface with a 'deck scrub' scrubbing brush or stiff acid resistant broom and rinse off with clean water. Do not allow acid to dry on the surface before rinsing. When acid etching concrete ensure you are wearing the correct protective clothing, Rubber Boots, Rubber Gloves and goggles. It is also a good idea to be wearing a long sleeved shirt and trousers. Apply solution of Forminex Acid Neutraliser (1kg into 10L fresh water) to floor with a 'deck scrub' scrubbing brush or stiff broom and rinse. Allow to dry, ie no pooled water and not a wet surface.

FLOORS PREVIOUSLY COATED WITH FORMINEX WATERBASED EPOXY FLOOR COATING: Floors previously coated with this product may be recoated after thoroughly washing with FORMINEX SUPER-CLEAN (formerly Floor Clean) followed by sanding to a dull finish with 100 - 200 grit Dri Lube sandpaper. For normal applications one coat is sufficient.

PRIMING/SEALING: FORMINEX WATERBASED EPOXY FLOOR COATING is normally used on its own and no primer or sealer is required. For surfaces with high absorption or applications in a more aggressive environment where greater film build is required then FORMINEX WATERBASED EPOXY FLOOR COATING CLEAR can be thinned 10% with water and used as a sealer coat by applying at 10m²/lt.

APPLICATION: Apply only when surface and air temperature are between 10-30°C. Use a brush for cutting in edges and a 6mm Mohair roller with extension pole (or, if preferred, a lamb's wool applicator), for broad areas. Whilst airless spray is possible it is not normally recommended especially for application inside buildings as it will result in spray mist in the air.

COATS AND COVERAGE: The number of coats recommended will vary with the end application of the floor. For many applications 1 coat will suffice. The following is provided as a guide;

Domestic (household), Commercial (shops), Light duty One Coat at 5 m²/lt.

Date Issued: 24 November 2009

Shipway Spescoat

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Commercial, Light and Medium Industrial

One Coat of Clear as Sealer at 10 m²/lt
One Coat of Colour/Clear at 5 m²/lt.

Heavy Industrial, High Wear, Aggressive chemical

One Coat of Clear as Sealer at 10 m²/lt
Two Coats of Clear or Colour at 5 m²/lt

DRYING TIME: Drying time will depend on temperature and atmospheric moisture. The following figures are for 25°C and 50% humidity. Touch dry in 1 - 2 hrs. It is recoatable after 4 - 6 hours (see below). The surface may be walked on after 4 - 6 hours. Maximum hardness reached in approx. 3 - 4 days at 25°C. Lower temperatures will prolong cure times. NOTE: Below 10°C curing time may be dramatically extended. We do not recommend application at temperatures below 10°C or if the surface temperature will remain below 10°C during the curing period. If low temperatures are unavoidable then heating must be used. Application at temperatures over 30°C is also not recommended.

RECOATING TIMES: FORMINEX WATERBASED EPOXY FLOOR COATING can usually be recoated after 4-6 hours. To maximise inter-coat adhesion the next coat should be applied once the first (clear) coat is dry but not fully cured. If the floor is recoated within 24 hours it is not necessary to sand between coats **unless the previous coat has not dried to a smooth, dust free finish**. If more than 24 hours has elapsed between coats, the surface should be sanded with 100-200 Dri Lube sandpaper, & all sanding dust thoroughly removed by vacuuming. **HINT:** A final wipe with a clean moistened lint free cloth will aid dust removal.

COLOUR: White, Clear and a wide colour range.

POT LIFE: Pot life of mixed product is about 60-90 minutes at 25°C. Higher temperatures will reduce pot life. Users familiar with solvent based epoxies should be aware that this pot life is *much less* than the typical 6 hour pot life of solvent based products.

NOTE: Ideal application temperature is 15 - 35°C Avoid painting in direct sunlight. Do not paint if ambient or surface temperature is likely to drop below 5°C during curing period, Air temperature should be a minimum 3°C above the dew point of the air. Do not paint at temperatures greater than 35°C or relative humidity higher than 85%.

THINNING: is not normally recommended. However up to 10% water may be added to aid penetration on absorbent substrates. Do not add more than 10% water as over thinning may compromise product.

CLEAN UP: Pack A and mixed product will clean up with water. Unmixed Pack B can be cleaned up using Forminex Epoxy Reducer.

PACKAGING: Available in a 4 lt pack (3lt of Pack A and 1lt of Pack B).

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SAFETY INFORMATION SUMMARY:

The following information is a general guide only. Industrial users (ie where the product is being used in the workplace) are legally required to have available a Material Safety Data Sheet on this product. If you are unsure if you have an MSDS on this product please contact Shipway Spescoat and one will be provided. MSDS's are also readily available from our web site www.shipways.com.au.

Safety Directions: **KEEP OUT OF REACH OF CHILDREN – DO NOT SWALLOW.** Avoid contact with skin and eyes. Wear rubber gloves and safety glasses when applying. Provide adequate ventilation.

First Aid Instructions: If affected by inhalation, remove to fresh air. If breathing difficulty persists or occurs later, consult a doctor. If swallowed, **DO NOT INDUCE VOMITING.** Wash mouth with water then drink plenty of water and seek medical advice. Contact a Doctor of Poisons Information Centre (Phone 131126). If skin contact occurs, remove contaminated clothing and wash skin thoroughly with soap and water. If irritation occurs seek prompt medical advice. Launder contaminated clothing. In case of eye contact, hold eyes open and flood with running water for at least 15 minutes seek medical advice.

Leaks, Spills and Disposal: Contain or shut off leak if safe to do so. For large leaks or spills wear protective apparel and footwear. Spills should be absorbed either with rags (small spill) or dry sand/earth (large spill). DO NOT pour left over product down the drain – retain it in marked sealed container for future use or disposal through chemical waste collection programs. Dried empty cans can be recycled and should be disposed of via council steel recycling facilities. Prevent entry of split material into drains and water courses.

Fire: Non Flammable

Manufactured by: **SHIPWAY SPESCOAT**
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