



Elastacote *WB*

Elastacote WB is a high performance, two component, water based epoxy coating for concrete substances.

It is used generally as a hard, durable, abrasion resistance floor seal and coating particularly in areas where a high chemical resistance is required.

Elastacote WB is applied in 2 or 3 coats to a prepared concrete substrate.

Supplied in a Black, matt & gloss finish.



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Benefits

- Chemical resistant
- Can be applied to damp substrates
- Hygienic
- Zero V_{OC} system
- Solvent free/environmentally friendly
- Odour free
- Easy to apply, using brush or roller
- Allows floors to breath

Areas of use

- Factories
- Warehouses
- Plant rooms
- Garages
- Aircraft Hangars

Potlife

2hrs

Cure time

Tack free: 4 hours @ 20°C
 Primary cure: 12 hours @ 20°C
 Open to traffic: 24 hours @ 20°C
 Full chemical resistance 7 days @ 20°C

Ambient temperature should be between 8°C and 28°C during application and cure. Dry weather conditions and a dry substrate are essential. For low temperature application or application to a steeply sloping surface refer to manufacturer.

Chemical resistance

Elastacote WB exhibits excellent resistance to a wide range of chemicals, and is fully resistant to the following:

- 10% Sulphuric Acid
- 10% Hydrochloric Acid
- Petrol
- Skydrol
- 20% Sodium Hydroxide
- Ethylene Glycol
- Methyl Ethyl Ketone
- Trichlorethylene

For resistance to specific chemicals please contact Optus

Coverage

6-8m²/kg

Packaging

5kg



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Surface preparation

Concrete substrates must be at least 28 days old and be clean, dry, sound and free of laitance, oil, grease and any other surface contamination which could impair adhesion.

Existing floor areas require mechanical abrasion to reveal clean concrete. Enclosed vacuum blasting equipment or equivalent vonarx type scabblers should be used.

Any areas which have been contaminated with oil or grease should be treated with hot compressed air blasting equipment.

This will drive out any deep-seated contamination. Any areas of damaged concrete should be broken out and reinstated.

For small areas of thin section repairs - less than 10mm in depth - an epoxy resin repair mortar should be used. For larger area thicker section repairs a polymer reinforced cementitious repair mortar should be used.

Any cracks in the substrate in excess of 1mm wide should be chased out to a minimum width and depth of 5mm and repaired with an epoxy resin mortar.

Finer cracks do not normally require pre-treatment as they can be flooded with Elastacote WB resin coating. Any existing floor coatings which are not soundly bonded to the substrate must be removed prior to the application of Elastacote WB.

Adhesion tests should be carried out to ensure compatibility with Elastacote WB.

For newly laid concrete substrates which have been allowed to cure for the minimum 28 days, a light pass with enclosed vacuum blasting equipment is required.

This will lightly texture the substrate and ensure that all laitance and the remnants or any curing membranes are removed. Any flexible joints within the concrete substrate should be protected within masking tape. The perimeters of the area being treated, along with any grids, drains etc. should be protected with masking tape.

Application

It is essential that all of the curing agent, pack A, is added to all of the resin component, pack B, and mixed for sixty seconds using a mechanical paint stirrer. The coating is applied to the prepared floor using a roller or brush.

Elastacote WB is normally applied as a three coat system, with the second and third coats being applied as soon as possible after the previous coats have cure to a tack-free finish.

In order to optimise inter-coat adhesion, the time lapse between subsequent coatings must not be allowed to exceed 24 hours. Should this occur, the coating will require light abrading and degreasing.

At an ambient temperature of 20°C, Elastacote WB may be lightly trafficked after 24 hours, with 48 hours being required prior to heavier trafficking. As soon as the final application has cured sufficiently to accept light trafficking all masking tape should be removed.

Shelf life

12 month unopened

Storage

Recommended temperature range for storage, transport and application is: 0°C and 28°C.

Cleaning

Safesolve should be used for cleaning tools, etc.

Health and Safety

Gloves, overalls and barrier cream should be used when working with Elastacote WB. For full details please refer to the appropriate Health and Safety Data Sheet.

The information given in this product, technical and application data sheets is given in good faith, based on current knowledge and experience but we have no control over the quality or the conditions of the substrate or the many differing factors affecting the use and application of the product. It relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of the company's knowledge and belief, accurate as of the date indicated. It is the user's responsibility to satisfy themselves as to the suitability and application of such information for their own use.