

Resene HydraBlock

epoxy barrier waterborne

Resene HydraBlock is a transparent two pack low VOC waterborne epoxy barrier coating for application to cementitious surfaces subject to hydrostatic pressure. It has excellent adhesion and is tolerant of application over damp surfaces. Controls rising damp and efflorescence.

Typical uses

- Masonry - walls
- In situ concrete - walls/floors
- Plastered walls

Please ensure the current Data Sheet and Safety Data Sheet are consulted prior to specification or application of Resene products. View Data Sheets online at www.resene.com/datasheets. If in doubt contact Resene.

Vehicle type	Two component epoxy
Hardener	Epoxy resin
Pigmentation	Nil
Solvent	Water
Finish	Semi-gloss
Volume solids	44% mixed
Mix ratio	1 Part base to 1 part hardener by volume
Pot life	3 hours at 21°C, 6 hours at 10°C
Dry time (minimum)	Tack free: 1 hour at 21°C, 3 hours at 10°C
Recoat time	Minimum: 3 hours at 21°C, 6 hours at 10°C Maximum: 5 days
Primer required	Not required (self-priming)
Usual no. of coats	2 (brush/roller) - thin first coat 10% with water
Recommended DFT	80 microns
Abrasion resistance	Excellent
Chemical resistance	Alkalis - excellent; acids - fair (when fully cured)
Solvent resistance	Excellent
Durability	Not recommended for exterior exposure
Thinning and clean up	Water
VOC (mixed)	66 grams per litre (see Resene VOC Summary)

Physical properties

Performance

Performance and limitations

1. Brushing and rolling properties similar to single pack waterborne paints.
2. Tolerant of application over damp surfaces.
3. Quick tack free and recoat times giving the potential for multiple coats to be applied in a single day.
4. High surface hardness with excellent resistance to abrasion.
5. Water barrier/seal coat, low water moisture vapour transmission (MVT) coating.
6. Hydrostatic pressure resistance surpassing the equivalent of 40 metres of water height for more than 100 hours (400 kPa of pressure).

Limitations

1. Application not recommended at temperatures below 10°C or above a R.H. of 85%. Film formation/curing and adhesion may be affected if the coating is applied and cured outside of these conditions.
2. Recommended for interior use only; like all epoxies, will chalk on direct exposure to U.V. Topcoat with Resene Uracryl 800 Series topcoats if exterior is required.
3. Will discolour when exposed to hypochlorite (bleach containing) solutions.
4. **DO NOT APPLY MIXED PRODUCT BEYOND STATED POT LIFE FOR A GIVEN TEMPERATURE.**

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Surface preparation

All surfaces to be coated must be sound and free from dirt, grease, oil, or other surface contaminants. Holes, nonstructural cracks must be filled using a two component epoxy filler such as Resene Epox-O-Bond Epoxy Filler or equivalent. Resene HydraBlock can be applied to a damp but not saturated substrate. When the product is to be applied to dry concrete it is advisable to wet the surface with a fine mist of water before application and allow to just surface dry.

Application

Application

Apply by brush or No.15 Hi-Solids roller. Airless spray application can be used for application of the second coat only.

Mixing

Resene HydraBlock is supplied as a base and a hardener. TO ENSURE THE CORRECT MIX RATIOS ARE ACHIEVED MIX FULL UNITS. To one part by volume of base add one part by volume of hardener. Mix these thoroughly either by hand or by power tool until they are perfectly homogeneous. Mixed product will remain liquid well past pot life. DO NOT APPLY MIXED PRODUCT BEYOND STATED POT LIFE AT A GIVEN TEMPERATURE.

Ensure coated areas are well ventilated post application. When applying in poorly ventilated areas it is critical to remove the water released from the wet paint film as quickly as possible. This is best achieved using forced air or an extraction system to exhaust the moisture to an outside source.

If heating is required DO NOT USE gas or fuel burning heaters as the fuel combustion process adds to the humidity in the atmosphere.

Safety precautions

Consult Safety Data Sheet for this product prior to use. Users should ensure that they are familiar with all aspects concerning safe application of this product. IF IN DOUBT, DO NOT USE THIS PRODUCT.

Please ensure the current Data Sheet is consulted prior to specification or application of Resene products. View Data Sheets online at www.resene.com/datasheets. If the surface you propose to coat is not referred to by this Data Sheet, please contact Resene for clarification.

In Australia
PO Box 924, Beenleigh, Qld 4207
Call 1800 738 383, visit www.resene.com.au
or email advice@resene.com.au

Resene
the paint the professionals use

In New Zealand
PO Box 38242, Wellington Mail Centre, Lower Hutt 5045
Call 0800 RESENE (737 363), visit www.resene.co.nz
or email advice@resene.co.nz

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