HB15 HiBuild Weatherproofing Membrane

Technical Data Sheet DS106

Product Line

HB15 Gecko HiBuild Acrylic Weatherproofing Membrane

Description

Gecko HB15 is a HiBuild weather proofing membrane designed for all exterior mortar renders, synthetic resin plasters, EIFS and solid masonry construction. Being highly water repellent with moisture vapour permeability Gecko HB15 provides a level of exterior protection and improved durability over traditional elastomeric paints.

With a ñweathered mineral look over timeòfinish, it is self cleaning, at the same time maintaining maximum exterior durability for the life of the paint system. When applied correctly Gecko HB15 will bridge hairline cracks in cementitious substrates that are prone to movement.

The Gecko HB15 range comes with a 10 year guarantee as a stand alone system. Used in conjunction with Gecko EA Exterior Acrylic it provides a 15 year guarantee.

Exterior use

Typical Uses

Prevention of water ingress on walls and roofs made from concrete, block work, fibrous cement, timber and plywood.
Also used for repairing hairline cracks in weatherboards, plaster, and concrete
HB15 can be textured by the use of gloop rollers.

Physical Properties:

Binder Type	100% Acrylic
Solvent	Water
Appearance	White thixotropic liquid
Colour	White and tinted colours
Finish	Satin when new, weathering to Matt mineral look
Dry Time	1-2 hours at 15$_o$C
Recoat time	4-6 hours at 15$_o$C, Relative Humidity <70%
Number of Coats	Must achieve 400 micron wet film thickness. Number of coats is dependent on the method of application.
Theoretical Coverage	5-10m$_2$/litre per coat
Recommended Film Thickness	200 microns per coat W.F.T.
Thinning & Clean Up	Water

Surface Prep & Application

HB15 can be applied by brush, roller or spray.

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First coat must be roller applied to achieve maximum water and weather resistance.
HB15 is a very effective waterproof coating on plastered buildings and porous concrete buildings if applied as a continuous film to a minimum dry film build of 200 microns. **NB** poor or damaged flashing are the usual cause of leakage so these should be checked prior to applying HB15.

Application

All surfaces must be clean, dry and free from oil, grease, dirt and unsound paint, mould or other contamination. Prime substrates as follows:

When repairing cracks:
HB15 should be only be used on hairline cracks of up to 2mm. If larger cracks need repair, fill with recommended filler then apply HB15 over the top.

Surface	Preparation	Coating HB15
Concrete Block or Porous Cement	Remove efflorescence with concrete etch. Wash off all residues. Apply first coat of HB15 thinned 20% with water. Allow to dry.	Apply 2 coats of HB15 to a dry film build of 200 microns. For increased durability or 15 year warranty apply 1 x topcoat with Gecko EA Exterior Acrylic
Cement Plaster or Compressed Board	Apply first coat of HB15 thinned 20% with water. Allow to dry.	Apply 2 coats of HB15 to a dry film build of 200 microns. For increased durability or 15 year warranty apply 1 x topcoat with Gecko EA Exterior Acrylic

Performance & Limitations

Performance

- Excellent adhesion to most correctly prepared surfaces.
- Excellent water resistance.
- Easy to apply.
- 10 year durability in exterior applications providing a ñweathered mineral lookò self cleaning finish.
- 15 year Guarantee when over coated with recommended top coat.

Limitations

- Do not apply if temperature is less than 10$_o$C.
- Drying time will be impeded in areas where humidity is high.
- Not suitable for water ponding areas.

Health & Safety

Waterborne
Gecko HB15 is a water reducible non toxic coating.
It is non flammable and requires no special handling. We recommend the use of a barrier cream for hands when applying.

Transport	UN No. :	1263
	Class :	N/A
	Hazchem :	N/A

Storage Avoid freezing or temperatures in excess of 50$_o$C.