

DUROMASTIC EP HIBUILD

WATERBASED EPOXY SEALER

Damp Concrete Surface Sealer

Easy 1:1 Mix Ratio

Non-toxic and Solvent Free



DESCRIPTION

Duromastic EP Hibuild is a two-pack waterbased epoxy high build coating used to seal and coat building materials such as concrete and timber and is most commonly used to seal damp concrete floors where rising damp is present.

Duromastic EP Hibuild cures to form an extremely durable water resistant barrier with superior adhesion to sound concrete, withstanding hydrostatic pressures of up to 40 psi, making it an ideal moisture barrier to protect carpet and overlays from rising damp.

PRODUCT FEATURES

- Easy 1:1 mix ratio (Part A and Part B).
- Waterbased, non-toxic, non-flammable
- Can be applied to damp concrete surfaces
- Resists hydrostatic pressure when cured
- Incredible adhesion to stable concrete
- Excellent chemical and water resistance

USE AREAS

- Moisture barrier on damp walls and floors
- Sealing damp floors prior to carpet, tile, or timber overlays
- Basements and underground car parks
- Primer for sealing of water tanks, reservoirs
- Can be overcoated with bitumen and acrylic paints
- Can be overcoated with Epotread for interior floor finishes

PACKAGING

Duromastic EP Hibuild is available in 8 litre and 20 litre packs. Each pack consists of two equal volume components (Part A and Part B). The total quantity comprises the pack size, eg. the 8 litre pack includes 4 litres of Part A plus 4 litres of Part B.



APPLICATION INSTRUCTIONS

SURFACE PREPARATION: Ensure the substrate is in clean and sound condition. The surface shall be free of dirt, oil, grease, moss and loose material and may be slightly damp. Pre-painted surfaces must be dry, any loose or bubbling paint must be removed. Cracks should be gouged out using a diamond cutting blade on an angle grinder, thoroughly cleaned out with vacuum, then filled with Cretex SL pourable epoxy. Any joints/cracks subject to movement should be filled with Cretex MS flexible sealant.

MIXING: Wear impervious nitrile disposable gloves. Stir the Part A thoroughly to ensure that no pigment has settled. Combine Part A with Part B equal quantities by volume (1:1) and mix thoroughly for at least 1 minute ensuring a consistent mix. A spiral mixer on a variable-speed power drill is recommended. Ensure that no unmixed material is on the sides or bottom of the pail. Pour the mixed material into a clean pail.

THINNING: Thin 20% with water for the first coat only to aid the penetration on unpainted concrete. Important: If thinning, combine Part A and B together, mix thoroughly, then add the measured amount of water and mix thoroughly again.

WORKING TIME: Only mix the required amount, as combined material must be used within the pot life of 1 hour at 20°C

APPLICATION: Apply the mixed Duromastic EP Hibuild to the prepared surface evenly by brush or roller. The choice of roller sleeve will depend on the substrate type, i.e. for concrete block or rough surfaces, use a quality 20-30mm nap draylon sleeve. For smooth concrete use a 10mm draylon sleeve.

COVERAGE RATE: 4-6 square metres/litre, per coat depending on porosity and profile of substrate. Two coats are normally sufficient. It is important to achieve a complete cover, filling all pin-holes and voids

DRYING TIME: 7-10 hours at 20°C. Light traffic after 16 hours. Full cure 5 days at 20°C. This coating should only be applied at temperatures between 8°C and 30°C. Recoat time 10 hours at 20°C, surface to be tack free. Any flooring overlay adhesives should be applied within 5 days for best adhesion. Air fans can be used to assist drying

CLEAN UP: Water and mild detergent. Isopropyl, meths or OmniWash detergent may be used if necessary before setting commences.

T: 0800 542 542
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PRODUCT DATA SUMMARY

Property	Typical Values
Colour, wet	Part A: Pigmented epoxy resin Part B: White emulsion
Colours available	OFF WHITE or GREY
Pack sizes available	4 litre, 8 litre, 20 litre
Coverage rate	4-6 m ² / litre per coat
Mix ratio	1:1 equal parts by volume
Pot life once mixed	1 hour at 20°C
Application temperature range	8°C to 30°C
Specific gravity	1.37kg / litre /(Mixed A + B)
Touch dry time	2-4 hours at 20°C
Application	Brush or roller
Number of coats required	2 coats
Re-coat time	10 hours at 20°C. Surface to be tack-free
Full cure	5 days at 20°C
Clean up	Warm water and detergent while wet
Storage	Store indoors between 8°C and 20°C
Shelf life	12 to 24 months in well sealed pails

Actual values may vary from the samples tested

STANDARD COLOURS

Duromastic EP Hi-Build standard colours are shown below.
Please note this is a guide only.



MANUFACTURED BY:
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HEALTH AND SAFETY

FLAMMABILITY: Non Flammable.

SKIN CONTACT: Wear impervious gloves such as nitrile disposable gloves. Occasional contact is unlikely to have any adverse effect except on particularly sensitive skin. As a general precaution, avoid repeated or prolonged contact. Remove skin contamination when wet with water. Use a proprietary hand cleaner if the product has dried.

EYE CONTACT: As eyes are a sensitive area, contact should be avoided. Wear safety glasses while mixing and applying. In the event of accidental contact, rinse immediately with plenty of clean water. Consult a doctor

INHALATION: Use in well ventilated areas and avoid excessive inhalation. This product is not likely to cause breathing difficulty, but if breathing problems occur, move the person to fresh air and obtain medical attention.

ORAL INGESTION: With proper handling oral ingestion should not occur. The possibility can be minimized by not consuming food in the working area and by washing hands thoroughly before eating and drinking.

SPILLAGE: Unused material should be disposed of in accordance with local regulations. Do not dispose of unused material into drains.

DISPOSAL OF CONTAINERS: Do not leave empty containers on the work site where any residue could be a hazard to children or animals. Replace lids and remove all containers to a central disposal point.

SDS AVAILABLE ON REQUEST

TECHNICAL SUPPORT

Further information is available on our full range of epoxy floor repair resins, concrete sealers, waterproofing and roof coatings. Visit our website at www.regiscoatings.co.nz or phone Tollfree 0800 542 542 to request brochures or a site visit.

SPECIFICATION CLAUSE

Concrete areas so designated shall be coated with Duromastic EP Hi-Build waterbased epoxy as supplied by Regis Coatings. This shall be applied to the prepared surface in accordance with the Regis Coatings current product data sheet.

The information provided in this technical bulletin is as up-to-date and correct in detail as possible and is intended to give a fair description of the product and its capabilities. The user of these materials must satisfy themselves with the suitability for a particular application. If unsure about use with certain chemicals, please contact the manufacturer.

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