

# Duromastic™ EP Hibuild

WATERBASED EPOXY SEALER



## 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. Most commonly used to seal damp concrete walls inside basements, underground car parks and concrete water tanks.

**Duromastic EP Hibuild** cures to form an extremely durable water and chemical resistant barrier with superior adhesion to sound concrete, withstanding hydrostatic pressures of up to 40 psi.

## PRODUCT FEATURES

- Easy 1:1 mix ratio (Part A and Part B).
- Non-toxic and solvent free
- Waterbased, low-odour, non-flammable
- Can be applied to damp concrete surfaces
- Resists hydrostatic pressure when cured
- Incredible adhesion to stable concrete
- Chemical and water resistant

## USE AREAS

- Moisture barrier on damp walls and floors
- Sealing damp floors prior to carpet or tile overlays
- Basements and underground car parks
- Primer for sealing of water tanks, reservoirs
- Can be overcoated with Duromastic BE3 in water tanks
- Can be overcoated with Epotread for interior wall finishes

## SPECIFICATION CLAUSE

Concrete areas so designated shall be primed and sealed with Duromastic EP Hibuild waterbased epoxy as supplied by Regis Coatings. This shall be applied in accordance with the Regis Coatings current product data sheet.

## PACKAGING

Duromastic EP Hibuild is available in 8 litre and 20 litre packs. Each pack consists of two 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 gauged out using a diamond cutting blade on an angle grinder, then filled with Cretex TR epoxy mortar. Any joints/cracks subject to movement should be filled with Cretex PU flexible sealant.

### Mixing Directions

Wear impervious gloves, such as latex or vinyl disposable gloves. Take an equal quantity of each Part A and Part B and mix thoroughly until a consistent mix is obtained. A spiral mixer on a low-speed drill is recommended. Ensure that no unmixed ingredient is on the sides or bottom of the pail.

### Application

Once mixed the working time is approximately 1 hour. Apply the mixed Duromastic to the prepared surface evenly by brush or roller. The choice of roller sleeve will depend on the substrate type, eg. for concrete block or rough surfaces, use a 20-30mm sleeve. For smooth concrete use a 10mm sleeve.

## CLEANING OF TOOLS

Equipment and tools should be cleaned immediately after use with hot water and detergent. Cured material can be removed with fine sandpaper.



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## PRODUCT DATA SUMMARY

Property	Typical Values
Colour, wet	Part A: Pigmented (White or Grey) Part B: Off white
Colour when cured	Off white or Grey
Mix ratio	1:1 equal parts by volume
Pot life once mixed	1 hour at 20°C
Application Temperature	8°C to 30°C
Gloss level once cured	Matt
Coverage rates	2 coats at 4 to 6m <sup>2</sup> / litre per coat
Specific gravity	1.37kg / litre
Touch dry time	2 to 4 hours at 20°C
Application	Brush or roller
Full cure time	5 days at 20°
Clean up	Warm water and detergent while wet
Shelf life	12 to 24 months in well sealed pails

Actual values may vary from the samples tested.

## HEALTH AND SAFETY

**Flammability:** Non flammable.

**Skin contact:** Wear impervious 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, irrigate immediately with plenty of clean water. Consult a doctor.

**Inhalation:** Use in well ventilated areas and avoid 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.



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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