

DUROMIX™ WBE**DUROMIX™ Two Pack Water Based Epoxy Primer**

DUROMIX™ WBE is a two component waterbased epoxy primer used to seal concrete and masonry surfaces. It cures to a tough chemical and water resistant coating having excellent adhesion to sound concrete.

PRINCIPLE CHARACTERISTICS

- Waterbased, user friendly
- Environmentally friendly
- Excellent water resistance
- Excellent adhesion to fresh concrete
- Excellent adhesion and penetration to damp surfaces and green concrete
- Excellent oil resistance.

USE AREAS

- Primer for damp surfaces
- Moisture barrier on damp walls/floors
- Sealing concrete slabs before vinyl and timber overlays
- Primer for acrylic & polyurethane membranes
- Dust sealing for interior concrete floors
- Concrete curing membrane

PACKAGING (Clear)

- 30 Litre (10Ltr A : 20Ltr B)
- 12 Litre (4Ltr A : 8 Ltr B)

PACKAGING (Grey ,White, Black)

- 20 Litre (10Ltr A : 10Ltr B)
- 8 Litre (4Ltr A : 4Ltr B)

GENERAL

Colour (Mixed)	Grey, White, Black, Clear, matt finish
Pot Life	1 hour at 20°C
Mix Ratio	Pigmented -1:1- A:B by volume; Clear 1:2- A:B by volume
Re-coat	4–5 hours at 20°C, 50% RH
Full Cure	5-7 days at 20°C, 50% RH
Coverage	4-8m ² /litre/coat
Solids Content	50% by volume
Storage	Above 5°C
Clean Up	Wash all equipment in water and or detergent immediately on completion. Duromix™ WBE will cure under water, hence do not leave items soaking.
Shelf life	12 Months in unopened container stored above 5°C

SURFACE PREPARATION

All surfaces must be structurally sound and all previous coatings, adhesives, efflorescence or laitance should be removed by chipping, abrasive blast cleaning, high pressure water washing, mechanical scrubbing or other suitable means. All surfaces must be cleaned free from dirt, grease oil or other surface contaminants. Holes, non-structural cracks and other surface deformities should be repaired.

APPLICATION

Porous concrete may require 3 coats of **Duromix™WBE**. Mixing should be by means of power mixer with a high shear stirrer. Premix each individual component then join the two components, mixing thoroughly for a minimum of 5 minutes until a blended coating is obtained. Avoid trapping air during mixing as this may cause pin holing. Only mix as much as may be used within the pot life of the product. **Duromix™WBE** is a minimum two-coat system. Applying with a brush or roller, ensure to work the material into the substrate surface to fill voids and eliminate pin holing. Successive coats should be applied at right angles to the previous coat. It is recommended that the coating depth be tested at random points with a wet film gauge.

PRECAUTIONS

Refer to **Durotech MSDS** prior to use. **Duromix™WBE** cure rates will be dramatically slowed if the relative humidity is above 85%. Do not apply to steel or metal surfaces, as corrosion will occur. Do not add cementitious products to **Duromix™WBE**. **Duromix™WBE** is not a waterproof membrane on its own. A dedicated waterproofing membrane should be used. In enclosed areas, such as water tanks or reservoirs, basements, or cubicles, ventilation should be provided to enable adequate evaporation of the coating. **Allow to cure for a minimum of 24 hours at 25°C/50% RH before applying waterproof membranes, adhesives, mortars, decorative coatings or other surface treatments.** **Duromix™WBE** will tend to chalk when exposed to UV light. For external use apply a U.V. resistant top coat. Discard any material that has exceeded the pot life or working time of the product. Do not apply over any substrates that have been previously treated or coated with curing compounds, PVA concrete bonding agents or acrylic coatings. These areas must be mechanically cleaned by grinding or shot blasting to produce a contamination free surface. **Duromix™WBE** is rigid when cured and will not absorb movement cracks.

COLD SUBSTRATES AND COOL CLIMATIC CONDITIONS

Follow mixing instructions and allow an extra minute to ensure a homogeneous paste is obtained. Allow to stand for 5 minutes after mixing as this will accelerate the drying time. Never apply thin coats as the rapid moisture loss will arrest or slow the drying reaction and possibly cause an amine blush. Cure rates will be dramatically slowed if substrate surface or ambient temperature is below +10°C. If **Duromix™WBE** is applied in cooler climatic conditions, substrate temperatures can produce amine blush, resulting in an oily residue and or areas of uncured tacky discolorations. Ensure removal of the contamination prior to application of any further coating to ensure adhesion of the next coat. Before recoating, **Duromix™WBE** should be allowed to cure, then washed with clean, fresh water, Methylated Spirits or **Xylene** depending on the severity. Store **Duromix™WBE** in a 20°C environment 24 hours prior to use. If possible warm substrate surface area by an air blower or use a blower after application. Always provide adequate ventilation during the drying cycle.

NOTE: Duromix™ WBE used to be called Duromastic WBE and Duroprime WBE

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The information provided in this technical bulletin is as correct in detail as possible and is intended to give a fair description of the product and its capabilities. In practice, the substrate and environmental conditions vary widely, making it essential for the user to determine the products suitability for a particular application and that the product is not used beyond its physical limitations. The product is guaranteed providing that it is applied in accordance with the manufacturer's instructions as stated in this data sheet and any relevant Standard or Code and provided that the building and installation is structurally sound. Durotech terms and conditions of sale apply.