

ELASTO-PROOF 650

High Build, Elastomeric Water Proof Coating

DESCRIPTION:

- **Elasto-proof 650** is a water proof coating which formulated based on elastomeric styrene acrylic polymer for exterior application. It is specially formulated to be highly flexible to cover hairline cracks, and it has excellent water resistance.
- **Elasto-proof 650** which has good adhesion property is able to seal the pores on the concrete to prevent further water penetration into the substrate.

USES:

- Water proofing of concrete, metal, wood or clay-tiled roofs
- Possess elongation properties to bridge existing cracks (up to 0.5 mm) and prevents future.
- External & internal surfaces
- For protection of concrete against deterioration from effects of the UV rays
- Under tiling in wet areas inc. showers, bathrooms, laundries, exterior decks, terraces and balconies.

FEATURES AND BENEFITS:

- Possess elongation properties to bridge existing cracks (up to 0.5 mm) and prevents future cracks with absolute finality.
- Remarkable elasticity and resilience for substrate's thermal expansion and contraction.
- Optimized rheology for high film build.
- Breathability for preventing moisture in walls and roofs (MICROPOROUS)
- Can be applied on damp surfaces.
- Can be used on coastal areas and gives corrosion protection to rebar's.
- Excellent alkali resistance.
- Resistance to chalking and flaking.

- UV resistant for outstanding durability.

SURFACE PREPARATION:

- The substrates must be clean and sound, free of dust and loose particles.
- Laitance, oil, grease, mould release agents or any foreign contaminants which may inhibit adhesion must be removed from concrete surfaces by using wire brush, scabbler or other means.
- **Elasto-proof 650** should not be applied to concrete and other surfaces less than 7 days old. Ideally concrete should be allowed to cure for 28 days before application.

APPLICATION:

Stir **Elasto-proof 650** manually before application.

- **On Reinforced Concrete roof**
 - **Elasto-proof 650** can be applied with roller, brush or spray equipment.
 - Apply first coat of **Elasto-proof 650** primer by diluting suitable amount of the coat by 25-35% of water.
 - Apply second coat of **Elasto-proof 650** and whilst the membrane is still wet, immediately unroll the reinforcing mesh.
 - Apply third coat of **Elasto-proof 650** over the reinforcing mesh by rolling over to ensure good wetting between the mesh and **Elasto-proof 650**.
 - The total dry film thickness is 1 mm
- **On Wall Application**
 - Apply first coat of **Elasto-proof 650** primer by diluting suitable amount of the coat by 25-35% of water.

- Apply two coats of **Elasto-proof 650** in the same manner as above without using reinforcing mesh.
- **Under tiling in wet areas**
 - Apply first coat of **Elasto-proof 650** primer by diluting suitable amount of the coat by 25-35% of water.
 - Apply the 1st layer of **Elasto-proof 650** with sufficient thickness to plug pores, cracks, and holes.
 - Allow to dry and apply the second layer if necessary.
 - Wait 6 hours between a coat and another. All corners, cracks or construction joints should receive reinforcement by mesh between the first and the second layer.
 - Wait at least 24 hours after application of **Elasto-proof 650** before tiling.
- The final thickness of the product must exceed 1mm in order to form a consistent, seamless and flexible membrane.

coverage

- **Priming:**
2.5-4m² /kg when applied by a brush or roller.
- **2 Coat Consumption :**
1mm thickness needs 1.35 kg/m²

TECHNICAL DATA

Product Type	Water-based Acrylic
Colour	Grey , White & Black
Density	1.35 ± 0.05 gm/cm ³
Solid content	65%
Adhesion(ASTM 4541)	> 1.2 N/mm ² on concrete
Elongation	200%
Crack bridging (mm)	>2
UV resistance	Excellent
Flash point	Non-flammable (waterbased)
Drying time	2 hours at 30°C, 65%RH on concrete

CLEAN UP INSTRUCTIONS:

- Clean up tools and equipment with water while **Elasto-proof 650** is still wet.

PRECAUTIONS:

- Do not use **Elasto-proof 650** in temperatures above 40°C and below 5°C.
- For a full MSDS contact Modern Building Chemicals

PACKAGING:

- 5 kg pail
- 20 kg pail

SHELF LIFE / STORAGE:

- Storage: must be stored in a cool, dry elevated place and protected from high humidity.
- Shelf Life: Up to 12 months in unopened containers, if stored as specified above.

ENVIRONMENTAL & SAFETY

PRECAUTIONS:

- **Elasto-proof 650** is nonhazardous and nontoxic.
- Care should be taken when handling, that applicators wear PVC or similar gloves and safety goggles.
- For a full MSDS on this product, contact to MBC.