

# DECK ELASTIC-M

## Ultra Tough High Build Cementitious Membrane System

### INTRODUCTION

Deck ELASTIC-M is three components cementitious fibre mesh reinforced high build liquid applied membrane providing leak proof durable waterproofing system. The system is composed of polymer modified hydraulically setting slurry which forms elastomeric watertight membrane on drying and woven fibre mesh embedded in the elastomeric membrane. Deck Elastic M produces a seamless tough membrane on curing and provides adequate abrasion resistance for foot traffic.

### APPLICATION AREA

- Water retaining structures, Tanks etc.
- Large size terraces; balconies; bathrooms; swimming pools etc.
- Cement board, cement plaster surface, aerated concrete blocks.
- Hollow core Slabs or Pre cast panel slabs
- Restoration and protection of cementitious mortar surfaces form weathering.
- Protection of concrete surface from saline water, sulphate, etc.

### KEY FEATURES

- Water borne system – no harmful volatile content emission – can be easily applied in closed areas like bathroom, toilets etc.
- High build membrane – mistakes in application can be easily detected
- Ultra high toughness
- Stable against sunlight exposure
- Good hydrolysis stability
- Maintains flexibility at low temperatures

### TECHNICAL DATA

No. of component	3	No.
Mixing Ratio	Powder	30 Kg
	Liquid	10 Kg
Mix consistency	Smooth	Paste
Pot life	25	Min @ 25°C
Touch dry	60	Min
Recoat time	12	Hours

### APPLICATION PROCEDURE

#### Surface preparation

1. The surface of concrete, brickbat or plaster on which the membrane is to be applied must be structurally sound, free from oil, loose materials, laitance, grease etc.
2. Ensure that the surface is well prepared by using wire brush, grinders, blowers, vacuum cleaners etc. (as the case may be).
3. Post ensuring surface readiness cracks, honey combs, pot holes, damaged concrete surfaces and construction joints must be repaired with Deck CRS (please refer Deck CRS Technical Data Sheet).
4. Drain pipe side gaps must be repaired with Microconcrete and Sealstrong.

#### Mixing

5. Take a clean bucket of 40 kg or more capacity and add Deck Elastic Liquid 10 Kg completely in to the bucket.
6. Start adding Deck Elastic Powder M slowly in to the bucket while mixing it using a low RPM (300-400 RPM) hand held stirrer. Empty completely one bag (30 Kg) of the powder component and mix well for 2-3 minutes.

#### Application

7. Apply the primer coat using smooth trowel. The coverage should be 0.5-1.0 Kg/ sq.m. Allow it to cure for 10-12 hours.
8. Apply the base coat of Deck Elastic M at a coverage rate of 2-3 Kg. / sq.m and lay down pre-cut pieces of Deck Net gently on to the wet Deck Elastic M mix.
9. Trowel down the Deck Net using smooth trowel such that the net is completely embedded in the mix uniformly.
10. Allow it to cure for 10-12 hours.
11. Apply the top coat at the rate of 0.5-1.0 Kg./ sq.m using smooth trowel to obtain seamless smooth thick membrane.
12. Allow it to cure for 72 hours before application of protection screed or any other treatment.
13. Allow the Deck Elastic M membrane to cure for 7 days before performing pond test.

#### PRECEEDING TREATMENT

1. Ceramic or Vitriified tiles can be fixed directly

on completely cured Deck Elastic M membrane with Deck Tile - cementitious adhesives (please refer Deck Tile Technical Data Sheet).

2. The membrane can be left exposed due to sunlight exposure. Light foot traffic can be allowed on it.
3. Avoid pointed objects, dragging equipment on the membrane or any such act which may puncture it. While in case of the terrace is to be used for various services and equipment movements Brickbat Coba or Deck Screed or specially formulated cementitious screed shall be done above.

#### **DO'S AND DON'TS**

- Deck Elastic M shall not applied for more than 2 mm in single coat.
- It should not be applied when ambient temperature is below 8°C
- The membrane should be protected from direct contact with water for first 24 hours of application.
- The membrane must not be kept exposed to direct vehicular traffic or any mechanical damages. In such cases membrane should be protected with DECK Screed OR specially formulated cementitious screeds.
- In case of high wind or Hot day (> 35°C) cover the fresh membrane with sheet to avoid rapid drying.
- Deck Elastic M is self-curing system thus no separate curing process is required

#### **PACKAGING**

Deck Elastic Powder M – 30 Kg bag

Deck Elastic Liquid – 10 Kg can

Deck Net – 49 Sq.m. – 1 m wide roll

#### **STORAGE**

Deck Elastic Powder M must be stored in the original sealed packaging under cool and dry conditions. It must be protected from exposure to moisture or water. Shelf life is 6 months from the date of manufacturing.

Deck Elastic Liquid should be stored at room temperature in sealed container. Store in the original container with the lid closed appropriately. Avoid extreme temperatures and direct exposure to sunlight. Shelf life is at least 6 months from the date of manufacture if stored following aforesaid method.

#### **HEALTH AND SAFETY**

Deck Elastic M is a non-toxic and non-flammable product. It does not create a fire hazard. Avoid prolong contact with skin. In case material comes in contact with eyes, rinse your eyes with copious amount of clean water. Use protection – creams / gloves in case of sensitive skins. It is easy to clean with water when the material is wet.

#### **PRODUCT DISCLAIMER**

*This product is manufactured with utmost care and precautions using best available materials, techniques and keeping in view the end use and assured performance. However, no specific guarantee can be given since the application of the product (prevailing site and environmental conditions while applying etc.) is beyond our control. We therefore welcome consultation in the event of doubt about application performance.*