

DECK ELASTIC

Acrylic Cementitious Waterproofing Membrane System for Waterproofing



INTRODUCTION

Deck Elastic is two component acrylic polymer modified cement based waterproofing and protection system. It is a polymer modified hydraulically setting slurry which forms an elastomeric, water tight membrane on drying.

Being a cement based waterproofing system, it has wide range of application area like bathroom, balconies, terrace, podium, water tank etc. Deck Elastic produces a seamless elastic membrane on hardening and provides adequate abrasion resistance for foot traffic.

KEY FEATURES

1. Liquid applied system - seamless membrane
2. Easy application - by brush, roller or airless spray
3. Good crack bridging ability
4. Excellent adhesion over wide range of construction materials
5. Suitable for waterproofing of Potable Water Tank

COVERAGE

2.5 - 3 Kg/ Sq.m. in 2-3 coats. The consumption will increase with increase in surface undulations.

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PHYSICAL PROPERTIES

	Powder	Liquid
Form	Coarse Powder	Thin liquid
Colour	Grey	White
Solid content	100%	100%
Density	1.4 Kg/ Liter	1.0 Kg/ Liter

TECHNICAL PROPERTIES

Mixing ratio by weight	Powder - 2 Liquid - 1
Pot life at 30°C	30 min
Tack free time	2 hours
Tensile strength	> 0.5 MPa
Elongation at break	> 80 %
Bond strength with concrete	> 1.5 Mpa

INSTRUCTION FOR USE

Surface Preparation

1. Substrate should be free from dust, oil, curing agent residues, laitance and other contaminants.
2. Grind the concrete surface using hand held grinder or concrete grinding machines (for larger areas) properly. It will expose the sound concrete for best bonding and will also help in locating cracks (if any).
3. Repair voids, cracks, broken edge and honeycombs properly using suitable concrete repair products admixed with polymer like Deck Flex.
4. Allow the patched area to cure before applying the membrane.
5. Avoid any sharp change in surface profile. For example joint edge between horizontal and vertical surface must be chamfered using appropriate mortar.

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6. All metal surfaces should be made clean of paint, oils, rust and other contaminants.
7. It is mandatory that all work of plumbing and sanitation must be complete before taking up the application of Deck Elastic.
8. All pipe inserts, sanitary fittings should be properly grouted or sealed using appropriate systems.

Deck Elastic application

1. Shake well Deck Elastic Liquid before opening. Take it in a vessel and add Deck Elastic Powder slowly while stirring. Stirring should be done using a low RPM (300-400) hand held helical stirrer. Stir it rigorously for couple of minutes till the it is homogenized.
2. Pre-wet the concrete surface before application of 1st coat.
3. Apply the freshly prepared Deck Elastic mix using clean brush. Allow it to dry for minimum of 8 hours. Apply second and third coat achieve overall consumption of approximately 3 Kg/ Sq.m.
4. The direction of brush movement between two consecutive coat must be perpendicular to each other.
5. At places with high cracking probabilities like construction joints, vertical-horizontal junction, major cracks etc, waterproofing membrane band of Deck Elastic – M of suitable width should be used. Kindly refer the technical data sheet of Deck Elastic – M for more details.
6. Air curing of 7 days recommended before water pond test
7. Protection screed and jacket plaster must be used for areas exposed to foot traffic for long term protection.
8. DO NOT:
 - o Cure the freshly applied Deck Elastic membrane using ponding with water.
 - o Dilute the Deck Elastic Liquid with water

PACKAGING

Deck Elastic Powder 20 Kg sack and Liquid 10 Kg can

STORAGE

Store in the original container with the lid closed appropriately. Avoid extreme temperatures and direct exposure to sunlight. Keep in cool, dry and under shed. Deck Elastic Powder performs well for at least 6

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months from the date of manufacture if stored following aforesaid method. Packs once opened have to be consumed immediately.

HEATH AND SAFETY

Kindly wear hand gloves and safety goggles while handling the product. Any contact with eyes should be washed immediately with clean water and seek medical advice. Do not swallow, avoid contact with food or cooking utensils and keep away from children's reach.

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 condition while applying etc.) is beyond our control. We therefore welcome consultation in the event of doubt about application performance.