

# DECK LITE

## Light Weight Insulating Concrete Mix

### INFORMATION

Deck Lite is a light weight concrete product based on polymer modified cementitious dry mix and EPS granules. When Dry mix and EPS granules are mixed together in a normal ( $\frac{1}{2}$  bag or 1 bag) mixers along with water at water to powder ratio 0.20 produces a homogenous mix which can be directly used as a screed or coba mix. It is a light weight mix (Density 600-1000 kg/m<sup>3</sup>) and provides a watertight core matrix with excellent bonding properties to concrete substrate. The EPS distributed core works as a cellular core which is resilient. EPS filled core exhibits excellent insulation properties and hence preferred on terraces instead of Brick Bat Coba.

### APPLICATION AREA

- On flat as well as sloping roofs with varying thickness (35mm onwards).
- Light weight sunk filling.
- Light weight screeds on Cantilever Balconies.

### TECHNICAL DATA

Compressive Strength	2.5 to 3.5	N/mm <sup>2</sup>
Fire Resistance	Non Flammable	IS 11239
Thermal Conductivity	Excellent	ASTM C177
K Value	0.22	
Water Absorption	6.5%	
Crack Resistance	Very Good	

### APPLICATION PROCEDURE

#### 1. Surface Preparation

Ensure that the surface of the concrete substrate is absolutely clean, free from dust, loose concrete or mortars, dust, oil grease and laitance. Ensure that the concrete substrate is dense, compact, strong and well cured.

Wash the area thoroughly. Allow it to dry off. Slight dampness is preferred.

#### 2. Mixing and application

- Depending upon the area to be treated a  $\frac{1}{2}$  bag; 1 bag Mixer can be ordered for easy hoisting.

Alternatively, you can keep the mixer and the materials at ground floor and hoist the mixed materials to the desired level.

DECK LITE DRY MIX	PART A	30 KG
DECK LITE EPS	PART B	$\frac{1}{2}$ KG to 1kg
WATER	PART C	6 LTR

Now, mix the above proportions in a normal mixer. You will get a well EPS coated mix. Just start laying on the predetermined panels to flat or grading slopes. Smoothen the surface by troweling. When the surface is still green (wet) sprinkle dry mix @ 2kg/m<sup>2</sup>. Allow it to soak well. Now trowel again to get a smooth finish.

- For colored top surface with pattern, use deck hardtop and stencils.

It is a simple application procedure. Masons used to concrete flooring and screeding can easily do this job.

### PACKAGING

30 kg Sacks Dry Mix -1kg bag EPS

### STORAGE

Store in the original sealed packaging in dry environment away from water reach. Shelf life of 6-12 months may be expected depending upon climate conditions.

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