

DECK LITE GIB

Super Light Weight Insulating Ready Mix Concrete



Introduction

Deck Lite GIB is a ready to use concrete mix based on very low density aggregate having good compatibility with cementwater mix. This unique property of good compatibility present is Deck Lite GIB helps it to resolve the problem of aggregate segregation or density variation across the concrete thickness. Light weight concrete made using Deck Lite GIB has excellent thermal and acoustic insulation properties.

Key Features

1. Excellent workability.
2. Easy large volume casting using concrete pump
3. Extremely low thermal conductivity
4. Energy saving up to 35 %
5. Cool and comfortable living
6. Low carbon emission
7. Payback of investment made on roof insulation within 23 years
8. Warmer interior during winter
9. High fire resistance

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

Dry Density	250 Kg./ cu.m.
Water requirement	350 ml/ Kg
Cure time	28 Days
Compressive Strength	3-5 N/mm ² at 28 days
Cured density	500-650 Kg./ cu.m
Fire Resistance	Non Flammable IS 11239
Thermal Conductivity	Excellent ASTM C177
K Value	0.22
Water Absorption	40% By wt.
Crack Resistance	Very Good

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Application Procedure

Surface Preparation

1. Make sure that the concrete substrate is dense, compact, strong and well cured.
2. The surface of the concrete substrate must be absolutely clean, free from dust, loose concrete or mortars, dust, oil grease and laitance.
3. Wash the area thoroughly. Allow it to dry off. Slight dampness is preferred. Mixing and application
4. Take a clean concrete mixer of suitable size and add 1.75 Ltr of clean water for each 5 Kg sack of Deck Lite GIB in to the mixer followed by addition of Deck Lite GIB.
5. Mix it for 23 minutes till a homogeneous mass is obtained.
6. Place the freshly prepared concrete mix on to the prepared surface and level it and allow it to set for 24 hours
7. After 24 hours periodically sprinkle water for 67 days to ensure proper curing.
8. It is a simple application procedure. Masons used to concrete flooring and screeding can easily do this job.

Packaging

5 Kg Sacks

Storage

Store in the original sealed packaging in dry environment away from water reach. Shelf life of 612 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.