

Dr. Fixit Roofscreed Light



LIGHTWEIGHT THERMAL INSULATING WATER RESISTANCE LEVELLING SCREED

Description

Dr. Fixit Roofscreed Light is Lightweight, Water resistance, Thermal Insulating ready to use screed designed with special lightweight elements controlled low density and homogenous fresh mix.

Dr. Fixit Roofscreed Light is designed to achieve rich thixotropic consistency to achieve up to 150 mm thickness laying in single layer. Once cured, it forms Shrinkage crack free, fully bonded screed and effectively reduces dead load on the structure due to its lightweight density. Dr. Fixit Roofscreed Light system is environment friendly product and save natural fertile soil.

Areas of Application

- Flat and sloping roof screeding
- Waterproofing protection screed

Features & Benefits

- Ready to use, less laborious, single layer screed - Engineered product
- Shrinkage Cracks free screed
- Can laid up to 150 mm thick in single layer
- Reduces dead load by 40% compared to than Brick Bat Coba
- Better water resistance than conventional roof screed and Brick bat coba
- Higher thermal resistance property than Brick bat coba

1 GENERAL SURFACE PREPARATION

- The base concrete surface should be structurally sound and free from excessive dust, laitance, dirt and contaminants such as oil and grease. The base needs to be perfectly flat in conventional build ups.
- Expansion joints at base R.C.C. slab shall be filled with Dr. Fixit PU Sealant or any other suitable material. All construction joints at base R.C.C. slab shall be opened to 10 mm X 10 mm in size and filled and finished with polymer modified mortar mixed with Dr. Fixit Pidicrete URP at recommended dosage of 6 Kg per 50 kg bag of cement.
- To ensure there are no voids and leakages in concrete slab, conduct pond test prior to screeding. Any major leakages shall treat by local repair or by applying appropriate waterproofing coating on entire slab area. 2 coats Acrylic modified cementitious coating of Dr. Fixit Fastflex is highly recommended to treat such leakages in base substrate up to roof span size up to 5000 Sq.Ft.
- Surface shall keep moist and ensure no excess water ponding during application of screed mix.
- Ensure and Install minimum 1 drain outlet per every 250 Sq.Ft. of roof slab.

2 MIXING OF DR. FIXIT ROOFSCREED LIGHT

- Depending upon the roof area to be treated, mixing mechanism shall select and arrange either at roof top or at ground floor. ^{1/2} cement bag mixer is recommended for large roof area.
- For smaller roofs with size less than 2500 Sq.Ft., rubber wheel drum mounted grout mixer can use for mixing which can easily be mobile at roof top. Paddle mixer with spiral shape blade is also recommended for mixing for small roof area. Mixing speed and efficiency shall affect the speed of laying.
- Use minimum 50-liter volume open mouth bucket for 2 bags mixing by using paddle mixer machine.
- Always add powder to water by adding 4.5 to 5.0 liter water per 20 Kg bag of Dr. Fixit Roofscreed Light. Ensure optimum mixing of 3 - 5 minutes to achieve homogeneous and cohesive mix.

APPLICATION OF DR. FIXIT ROOFSCREED LIGHT

- Always start laying from drain points with minimum thickness of 40 mm at rain water outlet. Wood or metal trowel shall be used for laying and levelling of screed. Ensure to follow level guides to avoid excess thickness and to follow desired slope.
- Angle Fillet shall be made with same material of Dr. Fixit Roofscreed Light at all horizontal and vertical junction of slab and wall.



- Provide construction joints of tothing shape at every end of the laying day. Cut the groove at construction joints to the size of 6 mm X 10 mm and fill with Dr. Fixit PU Sealant after 7 days from date of laying.
- The roof size is more than 1500 Sq Ft. and above, cut control joints before 24 hours at size of 6mm width and 10 mm depth at 3.5 Meter X 3.5 Meter panel size to accommodate localized movements which arises from drying shrinkage. Fill these joints with Dr. Fixit PU Sealant after 7 To achieve full performance of Dr. Fixit Roofscreed Light, early curing is essential. Cover freshly laid screed after its initial set of 3 hour with plastic sheet or wet hessian cloth to avoid surface moisture loss.
- 7 days from date of laying.
- Curing is must by ponding method or by covering with wet hessian cloth

3 CURING

- To achieve full performance of Dr. Fixit Roofscreed Light, early curing is essential. Cover freshly laid screed after its initial set of 2 - 3 hours hour with plastic sheet or wet hessian cloth to avoid surface moisture loss.
- 7 days curing is must by ponding method or by covering with wet hessian cloth.

4 OVERLAID

- For a better aesthetic look, we recommend overlying Dr. Fixit Roofscreed Light with Ceramic tile installation by using Roff Extrofix tile adhesive.

Precautions & Limitations

- Substrate temperature shall not be higher than 50°C. Do not laid screed at > 38°C ambient temperature.
- Never add any additional water than recommended.
- Initial curing shall start after 2 hours from laying either by keeping water sprinkling or by covering with plastic sheets.
- Smooth and speedy water draining shall ensure post fully cured and any water stagnancy shall be rectified with same Dr. Fixit Roofscreed material within 48 hours.

Technical Information

PARAMETERS	RESULTS
Appearance	Free flowing powder
Mixing Water per 20 Kg bag of Dr. Fixit Roofscreed Light	4.50 - 5.0 litres
Mix Wet Density	1200 - 1400 Kg / Cu.M.
Workability Time	30 minutes
Compressive Strength	Minimum 8MPa
Water Absorption - BS 1881 - Part 122	< 5 %
Plastic Shrinkage - ASTM C 1579	No Cracks Observed - Crack Free
Thermal Conductivity - ASTM C 518	0.412 W/m.K
Pull off adhesion EN 13892-8	0.45N/mm ²

Theoretical coverage based on mix wet density 1300kg/Cu.M and 4.8 Litres of water for 20Kg bag of Dr. Fixit Roofscreed Light.



Product	Average Thickness	Material Requirement for 1000 Sq.Ft roof area
Dr. Fixit Roofscreed Light - 20 Kg Bag	40 mm thickness	248 Bags required 1000 sq ft.
	50 mm thickness	310 Bags required 1000 sq ft.
	60 mm thickness	372 Bags required 1000 sq ft.
	70 mm thickness	442 Bags required 1000 sq ft.

*Consumption of Dr. Fixit Roofscreed Light is highly depend upon undulation in R.C.C. slab, number and location of drain outlets and minimum thickness at drain outlet.

Packaging

20 kg Bag

Shelf Life

12 months from the date of manufacturing when stored in a cool & dry place, away from direct sunlight.

Other Products Categories available

Dr. Fixit brings you the widest range of Construction Chemicals



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