



## 1.23 FAST FOAM CRETE 110

*LIGHT WEIGHT FOAMING AGENT FOR CONCRETE*

### Description:

FAST FOAM CRETE 110 is rigid and light weight mineral foam. It is joint less, extremely effective, single layer insulating material. FAST FOAM CRETE 110 is economical and long life treatment. FAST FOAM CRETE 110 is produced by mixing Natural minerals (in presence of a catalyst) with foaming agents to obtain honeycombs with In its mass for the required area. Natural minerals as well as air voids (air pockets) produced in the layer, offers resistance to both heat and cold.

### Use of Insulating Material:

FAST FOAM CRETE 110 is a perfect insulating material conserve energy required to control extreme weather effect in Buildings to reduce environmental effects on concrete construction in tropical area. FAST FOAM CRETE 110 used for Void Filling, Roof Insulation, Bridge Abutment, Trench Reinstatement,

### Method of Application:

FAST FOAM CRETE 110 is laid directly on concrete roof. Water Proofing is provided and covered with concrete screed (Avg. 2-3" thick) using steel mesh.

### Advantages:

- ❖ FAST FOAM CRETE 110 is a complete insulator. It costs almost half of the cost of Polystyrene & PU etc.
- ❖ Create 25% of temperature difference from atmospheric temperature.

- ❖ Protects roof from temperature cracks and damages due to ultra-violet radiation.
- ❖ Remains state, in case of absorbing rain water because of its CRYSTALLINE property.
- ❖ Has very high sound absorption and is effective sound insulator.
- ❖ Fills the uneven surfaces, Best Roof Slope.
- ❖ It ideal for Sound Proofing & Thermal Insulation.
- ❖ Is ideal for treatment of old roofs.

PROPERTY	VALUE 2" THICK LAYER
Density	Depend on Cement (Gray or White)
Compressive strength	110 Lbs. /Sq. Inch.
Thermal Conductivity (at 60°C K Value)	0.015 Kcal/MH°C Extremely Low
Fire Rating	Highly fire resistant. 16-Hours
Ultra violet/infrared Radiation, reflection	About 75%
Load Bearing	Very High, easy walking over after Application.
Temperature Difference	Lowers about 7 - 8°C
Setting Time	It is very sturdy and rigid, walking over after 2 hours, further flooring
Sound absorbance	Process after 72 hours in summer. Very high 720 decibels



## COMPARATIVE ANALYSIS

PROPERTY	FAST FOAM CRETE 110	EX-PO (EPS-P-M)	REMARKS
Economy	4" Thick Layer is recommended	2" Thick high Density 25 Kg/M3 is recommended	Ref. EPS Literature
Temperature Thermal Conductivity	At 60°C 0.015 Kcal/MH°C at 60°	At 10°C 0.027	Ref. EPS Literature
Effect of chemical	No effect	Damaged by Acids Alkalis, petroleum Products	Ref. EPS Literature
Manufacture's (Acid Alkali, oil Petroleum Products)			
Waterproofing	Only once at top	Two Time Water proofing Under earth &Top	Ref. EPS Literature
Manufacture's	Surface of the RCC slab		
Load Bearing	Easy Walking. Ideal under Terrazzo Floors	Frail, Walking over is not advisable	Notable Practically
Bounding with roof slab	Single Layer binds it self with Roof Slab.	No. Bounding with roof slab, presence of joints	Notable Practically
Fire Risk	No Risk	Highly combustible	Notable Practically
Sound Insulation	Single Layer good	Poor, sound absorbent	Presence of joints

## WARRANTY

This product is warranted to be free of defects in material and workmanship, and conform to FAST Construction Chemicals quality control standards. All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind, expressed or implied including but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose.

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