

# ALGI-FLEXSHIELD

## HIGH PERFORMANCE ELASTOMERIC WATERPROOFING CUM HEAT INSULATION SYSTEM

### DESCRIPTION

Algiflexshield is an elastomeric waterproofing membrane with excellent flexibility and tensile recovery and is suitable for bridging hairline cracks. The product is internally flexibilized and does not contain added plasticizers and hence remains permanently flexible. The coating is highly resistant to UV light & has excellent antifungal property, hence suitable for water proofing of exterior RCC slabs. The product has excellent adhesion on difficult surfaces, hence it is suitable for difficult to bond surfaces. It is also suitable for use in sandwich layer water proofing for bathrooms. It can be applied practically on any structural surface such as RCC slabs, wall, asbestos sheets, metal roof sheets etc.

### ADVANTAGES

- Algiflexshield is an elastomeric membrane to bridge cracks.
- It is a waterproofing coating that also reduces heat inside the building.
- It is a water proofing and decorative coating that comes in various shades or can be tinted to required shade. Thus waterproofing and painting is done in a single application.
- The coating is highly resistant to UV light.

- Doesn't require curing hence suitable for vertical or sloping surfaces that are hard to cure.
- Permanently flexible as it is internally flexibilized and does not contain added flexibilizers.
- Easy to use as it is a single component product.
- Economical.
- Algiflexshield has a very low application cost & hence highly suitable in areas difficult to access & have shortage of labour.

### APPLICATION

#### Application along with geotextile mat:

After the first coat dries apply the second coat and immediately place the geotextile mat. It should be noted that the tensile strength of geotextile mat is very high along the machined length that is along the lines. Hence the lines should be placed in a direction perpendicular to the crack. The geotextiles mat should be lightly pressed into the coating. Then apply the third coat & fourth coat.

Note: Before application of Algiflexshield it is very important to complete pressure grouting with Algigrout admixture SP and to do crack filling of all visible cracks with Algi seal acrylic (2 to 3 application) For further details refer to the technical brochure of Algigrout admixture SP & Algi seal acrylic

Email: [contact@algitechchemicals.net](mailto:contact@algitechchemicals.net)

[www.algitechchemicals.in](http://www.algitechchemicals.in)

# ALGI-FLEXSHIELD

### PACKING

Algiflexshield gives about 11-12.5 Sq.ft Kg for 4 coats with the geotextile mat on fairly smooth surface. FULL CURE: 24 Hours.

### PROPERTIES

Form	: Paste Consistency
Flash Point	: Not Applicable
Shelf Life	: 24 months in a sealed container
Added Plasticizers	: Nil
Colour	: Off White
Bonding Strength	: 3-4 Kg/Cm <sup>2</sup>
Tensile Strength	: 6-8 Kg/Cm <sup>2</sup>
Tensile Recovery	: >80%
Ultimate Elongation	: >100%
Algale/Fungus Resistance	: Excellent and is suitable for exterior and flat RCC slabs
Abrasion Resistance	: Very Good
UV resistance	: Excellent
Dirt Pickup resistance	: Good
Scrub Resistance	: Excellent.

### PRECAUTION & MAINTENANCE

Do not apply any paint/coating on top of Algiflexshield treated surface as it will reduce or nullify the effect of Algiflexshield

### STORAGE CONDITION

Store in a cool and dry place, away from direct sunlight.

### PACKING

Algiflexshield is available in 1 kg, 5 kg, 20 kg, 100 kg, 215 kg packing.

High  
Quality  
input



Research  
&  
Development



Thoroughly  
Tested  
Output



Modern  
Packaging



**ALGI TECH**

An ISO 9001-2000 Company

### ALGITECH CHEMICALS

12/1A, Varambally, NH-17, Brahmavar - 576 213 Udupi Dist., Karnataka State.  
Tel : (0820) 2560385, 2561483, Fax : (0820) 2560285  
Mobile : 9900139257, 98452 42085, 9880779350  
Email : [contact@algitechchemicals.net](mailto:contact@algitechchemicals.net) / [www.algitechchemicals.in](http://www.algitechchemicals.in)

NOTE: The Product should be used in accordance with the manufacturer's instructions. The manufacturer will not be held liable for the performance of the product if the same is not used as per the regulations and limitations specified by the manufacturer and also in conditions where the conditions of use are beyond the control of the manufacturer.