

## TECHNICAL DATASHEET

# ASCOGUARD PRIME

Highly Acrylic Polymer Modified Fiber Enriched Elastomeric Roofing Membrane



## PRODUCT INTRODUCTION

ASCOGUARD PRIME is an Industrial grade permanent elastomeric coating membrane which is used as an unique waterproofing membrane and thermal barrier. ASCOGUARD PRIME is an acrylic based, brush/roller applied liquid, which cures to form a seamless rubber membrane specially designed to seal the entire roofs, walls and floors. ASCOGUARD PRIME is a qualified heat reflective product that will help to reduce building temperatures. ASCOGUARD PRIME offers high tensile strength and elongation. It is virtually undamaged by prolong exposure of solar ultraviolet light. ASCOGUARD PRIME provides the benefits of a durable roofing membrane with the unique feature of a multi-layer seamless finish, eliminating joints, overlaps and other risk points associated with torch welding of traditional roofing membrane systems. It is available in bright white color (for maximum heat reflectivity), also other customized colors.

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## KEY FEATURES

- 1 Ready to use one component system for external and internal applications with minimum surface preparation
- 2 High build seamless protective membrane for external environment
- 3 High Stability and algae resistant
- 4 Durable tough seamless resistance against foot traffic.
- 5 Offers high tensile strength and elongation, and is virtually undamaged by extended exposure to solar ultraviolet energy.
- 6 Cures to become stronger with the effect of sun's ultraviolet rays
- 7 Water-based for superior protection and easy application
- 8 Very strong Adhesion

- 9 Excellent crack bridging and elastomeric properties

- 10 Eco friendly & ready to use one-part formulation

## RECOMMENDED APPLICATIONS

- 1 New and existing roofs and commercial box gutters
- 2 Industrial/Farming Sheds/Storages
- 3 Ideal for all types of wet areas like bathrooms, showers, swimming pool etc.
- 4 External floors & walls
- 5 Portable buildings, cabins and workshops
- 6 Warehouse, canal, dam, basement, overhead tank etc.
- 7 Structures requiring an effective barrier to thermal condition.

## TECHNICAL PROPERTIES

Appearance	Lump free smooth viscous liquid
Color	White , Grey , Terracotta and Yellow
Solid Content	53% $\pm$ 2 %
Specific Gravity	1.30 $\pm$ 0.03 Kg./l
Tensile Strength	$\geq$ 2.6 N/m m <sup>2</sup>
Elongation	$\geq$ 200 %
Touch Dry Time	3 $\pm$ 1 hours
Drying Time	Approximately 24 hours
Application Rate	3-4 m <sup>2</sup> /Kg, Coverage may vary depending on applied thickness and substrate conditions
Water Permeability	5 mm (BS EN 12390 Part B )
Resistance to Algae Growth ( ASTM D 5589—97 )	Nil

*The values obtained are from laboratory testing conditions and at 27  $\pm$  2°C . On site tests may show slight variation due to site conditions and / or methods of testing. Follow company TDS to obtain best results.*

## APPLICATION METHODS:

### 1. Surface Preparation

All surfaces must be clean, dry and free from any contaminants such as dust, oil, wax, grease, curing agents or other substances that may affect adhesion performance. Building debris such as off cuts, sawdust, nails, screws, plaster, wood etc., must be thoroughly cleaned with the help of wire brush - vacuum cleaner - damp sponge.

Note: If applying over existing tiles various preparation methods apply depending on surface and application. Do not apply over any deteriorating substrates. Ensure that new concrete slab have fully cured 7 - 14 days during weather conditions. Ensure that screeds have cured, normally after 7 days depending on screed thickness and temperatures. Ensure waterproof membranes have cured, minimum 24 – 48 hours after application.

### 2. Priming

Porous Substrates: Prime with ASCOGUARD using hard brush or roller. Allow primer to become touch dry prior to application of ASCOGUARD PRIME. Do not over dilute primer. Mix 1 part of Primer with 2/3 parts of clean water.

### 3. Mixing

It is ready to use product and water and/or cement is not required to be mixed before application.

### 4. Application

ASCOGUARD PRIME is pre-mixed and ready to use. ASCOGUARD PRIME may be applied by brush or paint roller.

- i) Prior to applying to general surface area, pre-treat all cracks, joints, corners and coves first, by applying a generous coat of ASCOGUARD PRIME approximately 10 cm (4") to each side of joint or surface.
- ii) Allow to dry to the touch and then apply a second coat of ASCOGUARD PRIME to same area, again allowing to dry.
- iii) Once pre-treated areas are dry, apply a generous coat of ASCOGUARD PRIME to entire surface, included pre-treated cracks, joints, and coves, and allow to dry.
- iv) DO NOT skimp on initial coat of ASCOGUARD PRIME.
- v) Allow to dry to the touch, before applying a final coat to entire surface.
- vi) Final dry thickness of first and second coats should be a minimum of 0.5 – 0.75 mm.
- vii) Inspect entire area and, if required, reapply on required areas, and allow it to dry.

### 5. Curing

Optimum performance level is reached after 24 hours of curing.

### 6. Coverage

20 to 25 ft<sup>2</sup> per Kg. per coat with 1 mm DFT .

## 7. Optional use of Reinforcing Fiber Roll (ASCOGLASS FR)

To reinforce over cracks, joints, corners, coves, floor or wall penetrations, around drains or main area to be waterproofed.

- i. Cut Fiber Roll to required sizes and place aside. Measure and pre-cut fiber roll to cover entire length of cracks etc. and at least 1 tile width of each side of crack (20 cm (8") minimum).
- ii. Apply a generous coat of ASCOGUARD PRIME slightly wider than the fabric to be used over crack, with a brush or roller.
- iii. Embed reinforcing fiber roll into wet ASCOGUARD PRIME with a roller or brush so that it bleeds through fiber roll.
- iv. Once fiber roll is thoroughly embedded, apply a second coat of ASCOGUARD PRIME to create a void free membrane, and allow to dry.

Apply a final coat of ASCOGUARD PRIME.

## 8. Health and Safety Guidelines

- i. Use personal protective equipment (PPE) to use ASCOGUARD PRIME for storage and application
- ii. If come in contact with eyes, immediately wash eyes with plenty of water and seek medical advice.
- iii. Use of safety goggles, nose mask and hand gloves are recommended to protect eyes, skin and mouth while in use. (Material Safety Data Sheets are available through our company's representative or from our ASCOLITE's website)

## 9. Packaging

Available in 5 Kg and 20 Kg plastic pail .

## 10. Shelf Life

- i. 12 months from the date of production if stored in original, unopened packaging and in places protected from moisture, sun exposure and frost.

### DISCLAIMER:

*While the technical details & recommendations contained in this document and the related details given by the representatives of the company correspond to the best of our knowledge & experience, all the above information must in any case be considered as merely indicative and subject to confirmation. Users are recommended to conduct a product suitability test before it is used at full scale. In any case, the consumer alone is entirely liable for any consequences resulting from using the product. For the most up-to-date TDS, please visit our website at [www.ascolite.in](http://www.ascolite.in). Our company policy is one of ongoing R&D; therefore, we reserve the right to update this information without prior notice at any time. As the correct identification of the problems, the quality of other materials used, on-site environmental conditions and the workmanship on-site are factors beyond our control, there is no express or implied guarantee/warranty as to the results achieved. The company assumes no liability or consequential damage arising from the use of our products for unsatisfactory results. Site visits are not a supervisory responsibility wherever provided. Suggestions made either verbally or in writing by the company may be followed, modified or rejected by the owner, engineer or contractor, since they are solely responsible for carrying out procedures appropriate to a specific application.*