

## TECHNICAL DATASHEET

# ASCOGUARD PRIME

Highly Acrylic Polymer Modified Fiber Enriched Elastomeric Roofing Membrane



torch welding of traditional roofing membrane system.

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## PRODUCT INTRODUCTION

**ASCOGUARD PRIME** is an industrial grade, permanent elastomeric coating membrane which is used as 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 roofs, walls and floors. **ASCOGUARD PRIME** is a qualified heat reflective product that helps to reduce building temperature. **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 unique feature of a multi-layer seamless finish, eliminating joints, overlaps and other risk points associated with

## 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 and eco-friendly.
- 9 Excellent crack bridging & elastomeric properties.

## 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 (Complies ASTM D 412 , 451 , C 836 & EN 12390 )

<b>Appearance</b>	Lump free White viscous liquid
<b>Color</b>	White , Grey , Terracotta and Yellow
<b>Recommended Thickness</b>	1.1 mm DFT (in 2 coats)
<b>pH</b>	8 ± 1
<b>Tensile Strength</b>	≥ 2.6 N/mm <sup>2</sup>
<b>Elongation</b>	≥ 200 %
<b>Adhesion to Concrete</b>	≥ 1.0 N/mm <sup>2</sup>
<b>Drying time</b>	Approximately 24 hours
<b>Crack Bridging</b>	Up to 2 mm width
<b>Water Resistance</b>	Upto 7 bar pressure
<b>Thermal Insulation</b>	4 - 5°C

*The values obtained are from laboratory testing conditions and at 27 ± 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

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

**Note:** Do not apply over any deteriorating substrate. Ensure that new concrete slab is fully cured in 7-14 days. Ensure that screed is cured, after 7 days depending on screed thickness and temperatures. Ensure waterproof membranes are cured in 24-48 hours after application.

### 2. Priming

Porous Substrates: Prime with **ASCOPRIME ULTRA** using hard brush or roller. Allow primer to dry before application of **ASCOGUARD PRIME**. Do not over dilute the primer. Mix 1 part of primer with 2/3 part of clean water.

### 3. Mixing

It is ready to use product and water or cement is not required in mixing before application.

### 4. Application

**ASCOGUARD PRIME** can be applied by brush or paint roller.

- i) Before applying it to general surface, pre-treat all the cracks, joints, corners and coves by applying a generous coat of **ASCOGUARD PRIME**, approximately 10 cm (4") on each side of joint or surface.
- ii) Allow it to dry and then apply a second coat of **ASCOGUARD PRIME** to same area.
- iii) Once pre-treated areas are dry, apply a generous coat of **ASCOGUARD PRIME** to entire surface, also include the pre-treated cracks, joints, and coves.
- iv) DO NOT skimp on initial coat of **ASCOGUARD PRIME**.
- v) Allow it to dry, before applying a final coat to entire surface.
- vi) Dry thickness of first and second coat should be between 0.5mm-0.75mm.

### 5. Curing

Optimum performance level can be attained after 24 hours of curing.

### 6. Coverage

12 ft<sup>2</sup> to 15 ft<sup>2</sup> per Kg per 2 coats with 1.1 mm DFT.

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

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

- i. Cut the fiber roll to expected size and place it aside. Measure and pre-cut the fiber roll to cover the length of cracks, etc. with at least 1 tile width on each side of crack (20 cm (8") minimum).
- ii. Apply a generous coat of **ASCOGUARD PRIME** wider than the fabric to be used over crack, with a brush or roller.
- iii. Reinforce the fiber roll into wet **ASCOGUARD PRIME** with a roller or brush so that it bleeds through fiber roll.
- iv. Once the fiber roll is thoroughly embedded, apply a second coat of **ASCOGUARD PRIME** to create void free membrane, and allow it to dry.
- v. Apply 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 it comes in contact with eyes, immediately wash eyes with water and seek medical advice.
- iii. Use of safety goggles, nose mask and hand

### 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*

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

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