



# Product Data Sheet

## ASMACOAT WP 600

### Acrylic Liquid Applied Waterproofing Membrane

#### DESCRIPTION:

**ASMACOAT WP 600** is a one component acrylic liquid applied waterproofing and protective coating for concrete and recommended substrate structures. A water based acrylic liquid applied membrane. It is easily applicable on horizontal and vertical surfaces. Once cured it forms a continuous waterproofing membrane resistant against the thermal changes and the ultraviolet rays. Suitable for use in hot and tropical climate conditions.



#### KEY PERFORMANCE PROPERTIES

- UV resistant and resistant to yellowing and weathering
- Highly elastic and crack-bridging
- One component - ready to use
- Excellent adhesion on porous and non-porous substrates
- Seamless, fully bonded waterproofing membrane
- Water vapour permeable

#### AREAS OF APPLICATION

**ASMACOAT WP 600** is easy to apply, cost effective and particularly used in:

- Concrete roofs, metal profile roofs, asbestos roofs, domes
- Protective coating for Polyurethane sprayed foam against UV effect
- Protective coatings on underpasses & concrete bridge decks
- For reflective coating to enhance energy efficiency by reducing cooling costs.

- Roofs, terraces & balconies.
- Protective and decorative coating on exposed concrete surfaces both for vertical and horizontal applications.
- Waterproofing of flashing, roof edgings, walls (either concrete, cement mortar, wood, or metal),

#### METHOD OF APPLICATION

**ASMACOAT WP 600** shall be applied as per the following general method of application.

##### A. Substrate preparation:

The performance and ultimately durability of the coating largely depends on the condition of the substrate. Therefore, conditioning and preparation of the substrate is of utmost importance.

##### Concrete surface:

The surfaces shall be thoroughly cleaned to remove all dust particles and laitance. Surface defects like potholes and pinholes on building facades on the concrete shall be repaired with an appropriate polymer modified repair mortar.

##### Metal surface:

The surface should be cleaned from all rust scales. This can be achieved by wire brushing or grit blasting.

##### B. Priming

On new concrete surface the **ASMACOAT WP 600** coating can be applied directly. However, it is highly recommended to apply a priming coat on all old and porous substrates for improving the adhesion of the subsequent coats.

The priming coat can be prepared in the work site by diluting **ASMACOAT WP 600** with only 30% clean potable water. The priming material shall be mixed thoroughly using a low RPM paddle mixer to ensure proper homogeneity of the mix. Primer application can be done using a brush or roller. For large areas the application can also be done using an airless spray machine. The primer should be allowed to dry before applying subsequent coats for at least 6 to 8 hours. The area should be re-primed if there is a delay in the application of the topcoat for more than 24 hours depending on the area of application and the nature of the substrate.

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For higher strength and flexibility, insert a non-woven geotextile membrane whilst the first coat is still wet on all corner joints, fillets, and pipe penetration joints. Allow the coating to fully cure for 72 hours to achieve its full properties.

## C. Mixing:

When a container is opened, the contents may have settled or separated over time, especially if the product has been sitting on a shelf or in storage for a while. Mixing the contents thoroughly can help to recombine any separated components and ensure that the product is at its intended consistency.

## D. Topcoat

Application of **ASMACOAT WP 600** is to be done by using a suitable roller or brush. Large areas of application can be done by using an airless spray machine. \*

The coating always must be applied with a minimum of 2 coats for optimum performance. The coverage rate will always vary depending on the area of application and the nature of the substrate  
Re-coat Interval 6 hours @ 40 °C.

For **higher strength** and flexibility, insert a non-woven geotextile membrane whilst the first coat is still wet on all corner joints, fillets, and pipe penetration joints. Allow the coating to fully cure for 7 days

## IMPORTANT NOTE

ASMACO WP 600 is ready to use solution for application. Do not apply if rain or possibility of rain within next 48. hours as the product is not resistant to rain during application / until fully dry.

## CLEAN UP

Clean roller brush and equipment after use with warm soap water.

## PACKAGING

**ASMACOAT WP 600** is available in 20 kg Pail.

## COVERAGE RATE

1<sup>st</sup> Coat 0.7 Kg / m<sup>2</sup>

2<sup>nd</sup> Coat 0.6 Kg / m<sup>2</sup>

Recommended thickness to achieve the required characteristics ≈1000 microns.

Some substrates will require higher consumption than indicated above. This figure is theoretical and does not include for any additional material required due to surface porosity, surface profile,

## HEALTH & SAFETY

Protective clothing such as gloves and goggles should be worn while applying **ASMACOAT WP 600**. In case the material splashes to the skin or eyes wash the same with fresh water immediately.

**In critical cases seek medical assistance.**

## STORAGE & SHELF LIFE

Store in cool place under cover, out of direct sunlight and protect from extreme temperatures. In tropical climate the product must be stored in air – conditioned environment (<25° C). The shelf life is up to 12 months in unopened conditions if stored as per guidelines.



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## TECHNICAL SPECIFICATION

PROPERTIES	TYPICAL VALUES	TEST STANDARDS
Color	Off White/Grey/Other color on request	-
Full cure	72 hours.	-
Service temperature	-5°C — +70°C	-
Application Temp	+5°C — + 45°C	-
Solar Reflectivity	Excellent	-
Density,	~1.55 kg/Liter	ASTM D 1475
Solid Content	>70 %	ASTM D 1644
Tensile strength	>1.5 N/mm <sup>2</sup>	ASTM D 412
Elongation at break	>200%	ASTM D 412
UV Resistance	Pass	ASTM G 154
Hydrostatic pressure @ 5 bar (50m)	No Leakage	BS EN 12390
VOC	< 27 g/ltr	ASTM D 3960
Peel Adhesion	>0.8 N/mm <sup>2</sup>	ASTM D 4541
Crack Bridging	>1.25 mm	ASTM C 836

All values given are subject to 5-10% tolerance.

## Shipping Limitations: None

### Note

The information and data contained in the product data sheet is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of the product for usage. Since the supplier cannot know all the uses, or the conditions of use to which the product may be exposed, no warranties concerning the fitness or suitability for particular use or purpose are made. It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application. Likewise if the application, product specifications or manner in which our products are used require government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

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