Product Data Sheet

ASMACOAT WP 600

Acrylic Liquid Applied Waterproofing Membrane

DESCRIPTION:

ASMACOAT WP 600 is a single-component, water-based acrylic liquid-applied waterproofing and protective coating designed for concrete and other recommended substrates. It forms a seamless membrane that can be easily applied on both horizontal and vertical surfaces. Once cured, it provides durable waterproofing performance and resistance to thermal variations and UV exposure, achieving an SRI value of >90. It is well-suited for use in hot and tropical climates.



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 suitable for a wide range of waterproofing and protective coating applications, including:

- Topcoat for concrete roofs, metal profile roofs, asbestos roofs, and domes.
- Waterproof and UV-resistant coating for polyurethane spray foam surfaces.
- Protective coating for underpasses, bridges, and other exposed structures.
- Reflective coating that improves energy efficiency by reducing heat absorption and cooling costs.
- Protective and decorative coating for exposed concrete surfaces.
- Suitable for both vertical and horizontal applications, particularly on surfaces with adequate slope for drainage.
- Waterproofing of flashings, roof edges, and walls constructed from 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.

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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 (60 gsm or 70 gsm)whilst the first coat is still tacky/wet on all Staraight joints,corner joints, fillets, and pipe penetration joints. Allow the coating to fully cure for 7days to achieve its full performance properties.

NOTE:
Always consult the airless spray equipment manufacturer to select the appropriate spray nozzle based on the product viscosity.
Thinning is not recommended under any circumstances. Any thinning of the product will void the manufacturer's product performance warranty.

PACKAGING

ASMACOAT WP 600 is available in 20 kg Pail.

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.

IMPORTANT NOTE

ASMACOAT 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.

COVERAGE RATE

~1.55 Kg / m² /1mm Thickness

PRODUCT	PACKAGING	CONSUPMTION	THICKNESS	CONSUPMTION PER PAIL
ASMACOAT WP 600	20 Kg Pail	1.550 Kg	1 mm**	12.90 m²
ASMACOAT WP 600	20 Kg Pail	0.775 Kg	500 µm	25.80 m²
ASMACOAT WP 600	20 Kg Pail	0.388 Kg	250 µm	51.55 m²

To ensure compliance with the product performance warranty, a dry film thickness (DFT) of **1000 µm (microns) is recommended. The coating should be applied in multiple coats using a roller, brush, or airless spray equipment to achieve recommended thickness.
Depending on the condition and characteristics of the substrate, actual material consumption may exceed the values indicated above. The stated coverage is theoretical and does not account for additional material required due to substrate porosity, surface roughness, or profile variations.

CERTIFICATIONS

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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 Reflection Index (SRI)	> 90	ASTM C 1549
Density,	~1.55 kg/Liter	ASTM D 1475
Solid Content	>70 %	ASTM D 1644
Tensile strength	>1.5 N/mm²	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/mm²	ASTM D 4541
Crack Bridging	>1.25 mm	ASTM C 836
Shore A Hardness	60 — 65	ASTM D 2240

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

Regional Compliance Notice

Please note that regulatory requirements may vary from one region to another. As a result, product information and recommended applications may differ between countries. For accurate and up-to-date details on product specifications and approved uses, and for any technical guidance, please contact Technical Department of ANCHOR ALLIED FACTORY L.L.C. SHARJAH, UAE.

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