



Product Data Sheet

ASMACOAT WP 810

Liquid Applied Polyurethane Waterproofing Membrane

DESCRIPTION:

ASMACOAT WP 810 is a single component liquid applied membrane, it cures by reaction with atmospheric moisture to form a tough elastomeric waterproof membrane. **ASMACOAT WP 810** is designed for use on horizontal and vertical surfaces.



KEY PERFORMANCE PROPERTIES

- Excellent adhesion to wide range of construction materials. one coat application for horizontal surface.
- Cures to form a permanently flexible resilient barrier over a wide range of temperatures.
- Forms an impervious barrier which resists aggressive soil conditions.
- Irreversible chemical cure does not permit melting or flow of film at elevated ambient temperatures
- Capable of bridging substrate cracks up to 2 mm
- Easy to repair

AREAS OF APPLICATION

ASMACOAT WP 810 is easy to apply, cost effective and particularly used in:

- Balconies, terraces, Kitchen, Bathrooms
- Baths (showers), kitchens and difficult access spots.
- Flooring with pedestrian traffic.
- Stairs, stadiums, tribunals, Planter Box,
- Water channels and reservoirs.
- Foundation and Below Grade Structures, Retaining walls, Concrete Slab, metal profile roofs, asbestos roofs, domes.

METHOD OF APPLICATION

ASMACOAT WP 810 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 810** coating can be applied directly. However, it is 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 at the work site by diluting **ASMACOAT WP 810** thinned in 3: 1 ratio with **ASMACOAT WP SOLVENT**

3 part ASMACOAT WP 810 :1 part ASMACOAT WP SOLVENT

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.

Expansion Joint & Movement Joint:

Joints should be treated with polyurethane sealant **ASMACO PU 90** / **ASMACO PU 90 SP**, OR Polysulphide Sealant **ANCHORSEAL 963 PG** / **ANCHORSEAL 963 GG**. Apply wide layer of **ASMACOAT WP 810** applied 200 mm wide centered over all the treated joints.

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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 7 days 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 810** 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 apply once the 1st coat is completely dry, 8 - 10 hours @ 35 °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 to achieve its full properties.

*Always consult technical department for recommendations of airless spray pump.

IMPORTANT NOTE

Do not dilute, this 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

Tools and equipment used for application of ASMACOAT WP 810 should be cleaned with ASMACOAT WP SOLVENT after the usage.

STANDARD COMPLIANCE

ASTM C 836

PACKAGING

ASMACOAT WP 810 is available in 25 kg Pail.

COVERAGE RATE

1.30 Kg / m² / coat, Thickness of 1.0 mm.

HEALTH & SAFETY

Protective clothing such as gloves and goggles should be worn while applying **ASMACOAT WP 810**. 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	Black / White / Grey	-
Full cure @ 1.3 mm Thickness	7 days.	-
Service temperature	-20°C to +85°C	-
Application Temp	5°C to + 45°C	-
Tack Free Time	24 Hours	-
Crack Bridging	No Loss, Passes the test	-
Density,	1.25 to 1.30 g/ml	ASTM D 1475
Tensile strength	2.50 to 3.00 N/mm ²	ASTM D 412
Elongation at break	800 to 1000 %	ASTM D 412
Tear Resistance	15 to 18 N/mm	ASTM D 642
Shore A Hardness	35 to 40	ASTM D 2240
VOC Emission	≤ 9.0 µmg/m ³	CDPH – V 1.2-2017
VOC Content	225 g/L	USEPA-24

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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MFG. OF SILICONE , ACRYLIC & POLYURETHANE SEALANTS, WATER PROOFING COATINGS, SELF - ADHESIVE TAPES, SPRAY PAINTS, CONTACT ADHESIVE, PVC CEMENTS, EPOXY STEEL

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