Product Data Sheet

ASMACOAT WP 936

One-Component, Aliphatic, Elastic Polyurethane Liquid Applied Waterproofing Membrane

DESCRIPTION:
ASMACOAT WP 936 is a top-tier protective coating formulated with Aliphatic Polyurethane Resins. Its one component design allows application on diverse surfaces, including steel, concrete, and cured epoxies or Polyurethanes. Applying two coats with a wet film thickness of 250-300 microns per coat results in a final dry film thickness of 150-180 microns. This coating excels in extreme exposure conditions, and additional coats may be applied for enhanced protection. ASMACOAT WP 936 stands out as a high-performance solution, ensuring robust defence against environmental elements.



KEY PERFORMANCE PROPERTIES

When applied, forms a seamless membrane without joints or leak possibilities

- Excellent crack bridging properties
- Easy application
- UV Resistant and withstands extreme weather conditions
- Provides glossy and easy-to-clean surface
- Offers excellent durability and superior abrasion resistance

AREAS OF APPLICATION

ASMACOAT WP 936 can be successfully applied on tiles, oncrete, cement roof tiles, wood and galvanized steel. The seamless membrane can be used as an impervious waterproof coating on the following:

- Roofs
- Sunken Slabs
- Concrete Domes
- Profile Sheets
- Kitchen and Bathrooms
- Balconies and Patios
- Basements
- Swimming Pools and other Water Retaining
- Structures, Bridges and Tunnels, etc.

METHOD OF APPLICATION

ASMACOAT WP 936 shall be applied as per the following general method of application.

Surface Preparation:
The surface of the concrete shall be sound, clean and uncontaminated.
This preparation on shall be such as to leave a sound exposed concrete surface free from dust, loose particles and any deleterious matter. If the concrete surface is defective or has laitance, it must be cut back to a sound base. Oil, grease, varnishes, rust, dust and mould on metal
surfaces shall be removed by wire or stiff brushing and grit blasting then wiped with solvet prior to priming.
New concrete or cementitious surfaces should be at least 28 days old and have moisture content not exceeding 5%. Old or existing surface should be refurbished mechanically to ensure clear and sound substrate.

Crack Treatment
Shrinkages and non-moving structural cracks less than 1.0 mm shall be filled with a pre-treatment ASMACO POXY 90 FC of 1.0mm thick extended to 75 mm on both sides of the crack. Voids and honeycombs shall be patched, before applying the membrane.

Right Angle Bends
All rightangle bends must have a coving detail installed. In areas where parapet walls, columns, pipe penetration are present, a 45° coving fillet shall be made at all corners using FIBER MESH, All other angles, joints, protrusions and stress joints should be pre-treated with a heavy application of ASMACOAT WP 936 extending 150 mm on both sides of the coving.

Movement Joints
Expansion and movement joints should be sealed with ASMACO PU 90 SP, Polyurethane sealant. When cured a stripped layer ASMACOAT WP 936, 200mm wide shall be applied and centred all over the sealed joints.
Allow to cure before the general application. While the membrane is still wet cover with a correct cut strip of fiber mesh and press it to soak. Saturate the fiber mesh with another coat of ASMACOAT WP 936 until it is fully covered. Allow curing before applying further coats of the waterproofing membrane.

Priming
Highly porous / old concrete or concrete containing micro silica will be primed using ASMACO PU 850 PRIMER solvent based primer.

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The primer shall be applied at a rate of 4-6m²/L. Primer should be left to achieve a tack-free condition for 6-8 hours before applying the top coat. A second coat of primer may be required if the substrate is excessively porous.

Mixing
ASMACOAT WP 936 should be stirred before use until a uniform color and consistency is achieved. Product is ready for use.

Application
ASMACOAT WP 936 shall be applied by brush, roller, trowel or airless spray in 2 coats to achieve a minimum dry film thickness of 1.0 mm for each coat. The two coats must be applied at right angles to one another. A layer of fiber glass mesh should be embedded between the two ASMACOAT WP 936 coats over pipe culverts, floor, drains, corner joints and floor / wall junctions.
The final wet coat of ASMACOAT WP 936 shall be spread with sufficient clean silica and before applying tile adhesives. Tiling or finished floor installations should be carried out as soon as possible after full cure of membrane.

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 936** should be cleaned with **ASMACO CLEANER 2** after the usage.

HEALTH & SAFETY

ASMACOAT WP 936. During application, wear appropriate protective clothing, goggles, gloves, and respiratory equipment if necessary. In case of contact with skin, rinse with water and again wash thoroughly with soap and water. In case of contact with eyes, rinse with plenty of water and seek medical advice accordingly. If ingested, obtain medical assistance on immediately. Do not induce vomiting. In case the material splashes to the skin or eyes wash the same with fresh water immediately.
In critical cases seek medical assistance.

PACKAGING

ASMACOAT WP 936 is available in 28 Kg Pail

COVERAGE RATE

1.4 Kg / m^2 / 1mm, Thickness

QUALITY & CARE

All products originating from **ANCHOR ALLIED FACTORY** LLC Sharjah, UAE. facility is manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001, ISO 45001 and ISO 50001.

STORAGE, SHELF LIFE & HANDLING

ASMACOAT WP 936 is temperature sensitive and should be stored in a cool, dry, and covered area, protected from direct sunlight, heat sources, and excessive ambient temperatures. Prolonged exposure to elevated temperatures, including storage in shaded but excessively hot areas, may accelerate product ageing, reduce the stated shelf life, and adversely affect application and performance characteristics.

In hot climatic conditions, **ASMACOAT WP 936** must be stored at temperatures below 30°C. Avoid prolonged exposure to extreme temperature fluctuations during storage and transportation.
When stored in its original, unopened packaging under the recommended temperature conditions, the product has a shelf life of up to 12 months from the date of manufacture.

Stock should be managed and consumed on a **First-In, First-Out (FIFO)** basis to ensure optimum shelf life and consistent product performance.

CERTIFICATIONS

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TECHNICAL SPECIFICATION

PROPERTIES	TYPICAL VALUES	TEST STANDARDS
Color	White & Other Colors on Request	-
Full cure	7 days @ 25°C	-
Service temperature	-5°C to +80°C	-
Application Temp	5°C to + 45°C	-
Tack Free Time	5 Hours @ 25 °C	-
Density,	~1.4 g/cc	ASTM D 1475
Tensile strength	>15 N/mm²	ASTM D 412
Elongation at break	>500 ± 5 %	ASTM D 412
Tear Resistance	>10 N/mm²	ASTM D 624
Crack Bridging	No loss on bond, after extension of 2.5	ASTM C 836
Water Vapour Transmission	0.3 g/h.m² (24 Hours)	ASTM D 2939
Shore A Hardness	40 - 50	ASTM D 2240
SRI	>78	ASTM E 1980

All values given are subject to 5-10% tolerance and under standard lab conditions.

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 ANCHOR ALLIED FACTORY L.L.C. SHARJAH, UAE Technical Department.

Disclaimer

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