



Product Data Sheet

ASMACO AMP

Hybrid Liquid Applied Waterproofing Solution

DESCRIPTION:

ASMACO AMP is a one component liquid applied waterproofing and protective coating for concrete structures based on a hybrid polyurethane modified with specially selected polymers to form a tough, flexible, and durable coating. It is completely free from coal tar and other hazardous ingredients.



KEY PERFORMANCE PROPERTIES

- Excellent mildew and algae resistant.
- Low V O C
- non-flammable.
- Will not degrade under UV.
- Forms a highly elastomeric, tough, and resilient membrane.
- Pitch coal tar free.
- High tensile and elongation properties.
- Environmentally friendly.
- Easy application by brush or roller. spray.

AREAS OF APPLICATION

ASMACO AMP is easy to apply, cost effective and particularly used in:

- Wet areas kitchens, Bathrooms
- Roofs, terraces & balconies.
- Protective and decorative coating on exposed concrete surfaces for vertical and horizontal applications.
- Waterproofing of flashing, roof edgings, walls (either concrete, cement mortar, wood, and metal),
- Waterproofing of gardens, swimming pools, basement, and sandwich application.
- Protective coating on polyurethane foam insulation.

METHOD OF APPLICATION

ASMACO AMP 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 **ASMACO AMP** 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 **ASMACO AMP** with only 10% 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.

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 **ASMACO AMP** 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 to achieve its full properties.

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*Always consult technical department for mixing recommendation by using airless spray machine.

PACKAGING

ASMACO AMP is available in 25 Kg Pail.

COVERAGE RATE

1.25 Kg /coat/ m² / mm thickness

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.

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.

HEALTH & SAFETY

Protective clothing such as gloves and goggles should be worn while applying **ASMACO AMP**. In case the material splashes to the skin or eyes wash the same with fresh water immediately. **In critical cases seek medical assistance.**

CLEAN UP

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

TECHNICAL SPECIFICATION

PROPERTIES	TYPICAL VALUES	TEST STANDARDS
Color	Off White/Grey/Black	—
Full cure	7 Days.	—
Service temperature	-5°C — +70°C	—
Application Temp	+5°C — + 45°C	—
Density,	~1.25 g/cc	ASTM D 1475
Solid Content	~ 65 %	ASTM D 1644
Tensile strength	>2 N/mm ²	ASTM D 412
Elongation at break	>500%	ASTM D 412
Solar Reflectance	>75	EN 410
Hydrostatic pressure @ 5 bar (50m)	No Leakage	BS EN 12390
VOC	< 20 g/liter	ASTM D 3960
SRI Value (off white)	>80	ASTM C 1549 — 09

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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☎ : +971 6 5342091, ✉ : +971 6 5342107, P.O. Box No.: 21152

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

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📍 Industrial Area-15, Sharjah, U.A.E. 🌐 www.anchorallied.com ✉ info@anchorallied.com