



# Product Data Sheet

## ASMACO AQUASHIELD

Colour-less silane siloxane-based water repellent.

### Description:

ASMACO AQUASHIELD is a silane siloxane-based polymer dispersed in high boiling solvents and treatment which penetrates into porous substrates and then reacts with moisture or pore water from the substrate to form a hydrophobic lining to the capillaries without clogging the pores or capillaries vertical walls & other masonry substrates. It maintains the appearance of substrates and provides better UV resistance.



### STANDARDS

ASMACO AQUASHIELD complies with BS 6477-92 Class A and Class B as silicone - based water repellent. For application on brickwork, concrete, cement rendering, nature or cast stone of predominantly salicaceous nature, it complies with BS6477-92 Class A. For application on sandstone, limestone, calcium silicate, brickwork, natural or cast stone of predominantly calcareous nature, complies with BS 6477-92 Class B.

### AREAS OF APPLICATION

ASMACO AQUASHIELD is strongly recommended for,

- Clay brick surfaces.
- Concrete, mortar & parapet walls.
- Mangalore tiles.
- Natural and artificial stones.
- precast, beams, columns, curbing & retaining walls.
- Treat both new and existing structures.
- Porous architectural curtain wall panels.

### KEY PERFORMANCE PROPERTIES

- Excellent mildew and algae resistant.
- Low V O C and non-flammable.
- Will not degrade under UV.
- Easy application & Ready to use by brush or spray.

### METHOD OF APPLICATION

#### SURFACE PREPARATION

Surface to be treated must be clean and free from laitance, contaminants and previous water repellent treatments which could cause nonuniform absorption or white staining. Water jetting or sandblasting may be required to achieve the desired condition. Remove efflorescence by dry brushing. Caulking and sealant work must be done prior to the application of ASMACO AQUA SHIELD and allowed to cure in accordance with the manufacturer's instructions.

#### MIXING:

Stir lightly and is ready for use,

#### APPLICATIONS:

The temperature of the surface, the air and the material should be between +10°C to +40°C during the application. Test a small area before starting general application to assure the desired results and coverage rates are obtained. Only use low pressure, non-atomizing spray equipment. Application should be from bottom up to assist in uniform distribution of ASMACO AQUASHIELD. Apply in one operation to saturation, with a controlled rundown to a maximum of 20 cm. In certain cases, a mist coat of potable water before application may be necessary to help break the surface tension – this will ensure maximum penetration of the saturation coat. Horizontal surfaces should be flood coated as per the recommendations in the method statement.



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## SPILLAGES / CLEANING

Equipment and incidental areas of over spray should immediately be cleaned with soapy water to avoid eventual staining. ASMACO AQUASHIELD will leave a visible residue on non-porous materials such as glass, metal and painted surfaces when cured. Dried film can be removed by scraping with a metal blade.

## HEALTH & SAFETY

As with all chemical products, care should be taken during use and storage to avoid contact with eyes mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use. For further information, refer to material safety data sheet.

## QUALITY & CARE

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

\* Properties listed are based on laboratory controlled tests.

## PACKAGING / SUPPLY

ASMACO AQUASHIELD is supplied in 5 liter & 20 liter Plastic Pail.

## COVERAGE RATE

ASMACO AQUASHIELD 1-4 m<sup>2</sup>/L on masonry surfaces. Coverage rates vary with the nature and porosity of the substrate. Coverage for both horizontal and vertical application is between 3.0 – 5.0 m<sup>2</sup>/L depending upon surface porosity and any specification requirements.

Trial is mandatory on each application to achieve required results from the different substrates.

## STORAGE & SHELF LIFE

ASMACO AQUASHIELD should be stored under cover and clear of the ground. Protect from freezing. Rotate stock in order not to exceed the shelf life of 12 months. Storage temperature should not exceed 35°C. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.

## TECHNICAL SPECIFICATION

PROPERTIES	TYPICAL VALUES	TEST STANDARDS
Color	Milky White	—
Viscosity	9 cps	—
Application Method	Brush, Roller & Spray	—
Specific Gravity @ 25° C	App. 1 Kg / Liter	—
Water Absorption Rduction	95%	—
Chloride ion penetrability	Very Low	ASTM C 1202
Water Vapor Transmission	>30 gm/ m <sup>2</sup>	ASTM E 96

All values are subject to tolerance of 5-10%



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## 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.

**Non – Warranty :** Because the storage, handling and application of the material is beyond Anchor Allied Factory Ltd's control, we can accept no liability for the result obtained. Anchor Allied Factory Ltd's sole limited warranty is the product meets the manufacturing specifications in effect at the time of shipment. There is no warranty or merchantability or fitness for use, nor any expressed or implied warranty. Anchor Allied Factory Ltd will not be liable for any incidental and consequential damage of any kind. The exclusive remedy for breach of such limited warranty is a replacement of any product shown to be other than warranted. Suggestions of uses should not be taken as inducement to infringe any patents.

All ANCHOR ALLIED FACTORY LLC datasheets are updated on a regular basis. This technical data sheet supersedes all previous editions relevant to this product. It is the user's responsibility to obtain the recent version.



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