



SikaGard® 702W Aquaphobe

Water Based Silicone Impregnation

Technical Data Sheet

DESCRIPTION

SikaGard 702W Aquaphobe is a solvent free concentrate of silicone micro-emulsions. Diluted with water, it provides a water repellent impregnation with good penetration into mineral substrates.

USES

SikaGard 702W Aquaphobe when diluted with water, is used as a surface applied water repellent which penetrates the pores of the substrate to form a hydrophobic lining in the pore capillary on the following substrates:

- * Concrete.
- * Masonry.
- * Render.
- * Concrete blocks.
- * Stonework.
- * As a primer underneath **SikaGard 680S** and **SikaGard ElastoColor W**.

ADVANTAGES

- * Reduces water permeability.
- * Does not alter appearance of treated surface.
- * Vapour permeable.
- * Can be overcoated.
- * Improves resistance to frost.
- * Protects against penetration of de-icing agents.
- * Reduces the effect of efflorescence.
- * Water based.

Technical Data (typical)

Colours:	Amber
Specific gravity:	1.0 kg/litre (diluted)
Application temperatures:	+8°C min, +30°C max (substrate and ambient) Observe dew point M.C. of substrate ≤5% by wt
Number of coats:	2 - 3 wet on wet
Dilution ratio	1 : 9 as primer for coatings
702W : Water	1 : 4 as water repellent impregnation

All above values are approximate.

SURFACE PREPARATION

The substrate must be clean, sound, free from laitance, loose and friable particles, dirt and contaminants particularly oil, grease or waxes.

Preparation by adequate high pressure water jetting or blast cleaning is recommended.

Allow mortar to dry for 2 - 5 days before coating application. (Dependent on climatic conditions)

On reprofiled substrates a smooth steel float finish should be avoided on levelling/ pore filling coats. Provide a laitance free fine gripping surface using a plastic or wooden float.

APPLICATION

Apply **SikaGard 702W Aquaphobe** by brush, roller or low pressure spray.

IMPORTANT CONSIDERATIONS

- * Check moisture content of levelling mortars/substrates is $\leq 5\%$ by wt before applying.
- * Wear suitable protective clothing, gloves and eye protection.
- * **SikaGard 702W Aquaphobe** produces an odour.
- * Application of the coating should not commence if rain is imminent.
- * Do not use on green concrete less than 28 days old.
- * Penetration can be reduced where masonry contains salts (efflorescence).
- * Always ensure good ventilation.
- * Dilution with water should be with clean potable water.
- * Protect glass paintwork, plastics etc from damage. Trial areas recommended.

CLEANING

Application and mixing tools should be cleaned with water immediately after use. Hardened material must be removed mechanically.

PACKAGING

Refer to latest price list.

MATERIAL CONSUMPTION

Theoretical diluted consumption 0.15 - 0.2 kg/m² (0.15 - 0.2 litre/m²) per coat. Excluding allowances for loss wastage, surface profile and porosity. Allow approximately 10% extra for spray application.

SHELF LIFE AND STORAGE

Minimum 1 year in unopened original sealed containers stored in dry warehouse conditions (+5°C - +25°C).

Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

Important Note

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

Please consult our Technical Sales Department for further information

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