

PRODUCT SPECIFICATIONS

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| Product Description | <p>A silane based water repellent treatment for porous mineral substrates that penetrates deep into the substrate to form a clear hydrophobic layer that repels water and moisture.</p> <ul style="list-style-type: none"> • Excellent water repellent characteristics. • Excellent penetration power. • Breathable coating i.e. allows concrete to breathe. • Also effective even when applied to damp substrates. • Good alkaline resistance. | | |
| Design Use | <p>As a water repellent / anti-carbonation coating for use on bare and porous mineral substrates such as concrete and bricks. Not suitable for use on gypsum.</p> | | |
| Physical Data | Volume Solids | : | Not applicable. |
| | Dry Film Thickness (DFT) | : | This product does not form a film. |
| | Wet Film Thickness (WFT) | : | Wet the surface liberally. Apply a minimum of two coats, wet on wet for best results. |
| | Number of Coats | : | 3 |
| | Theoretical Coverage | : | Approximately 3.5 m ² /litre per coat. Actual value will depend on porosity of the substrate. |
| | Finish | : | Not applicable. |
| | Colour Range | : | Not applicable. |
| | No. of Components | : | One |
| | Standard Packing Size | : | 20 Litres |
| Application Method | CONVENTIONAL AIR SPRAY | : | Recommended method of application |
| | Nozzle size | : | 0.231 – 0.282 mm (0.009 – 0.011 in) |
| | Pressure | : | 1.0 – 1.5 kg/cm ² |
| | ROLLER, BRUSH | : | May be used. |
| | <p>Stir contents of the can thoroughly before use. Thinning is not required.</p> <p>Apply freely to sufficiently flood the surface. After the first coat has penetrated and is just about to dry off, apply a second coat.</p> | | |
| Drying Time | <p>Subsequent coats of Aquashield 90 should be applied within 1 - 2 hours. Allow 72 hours for complete reaction after application of final coat</p> | | |
| Additional Information | Thinner | : | Not required |
| | Thinning Ratio | : | Not required |
| | Cleaning Solvent | : | Solvalux 7-9 |
| | Flash Point | : | > 38°C |
| | Storage Requirements | : | Keep away from moisture and direct sunlight. |

Surface Preparation

The service life span and the service performance of this product are directly related to the degree of surface preparation.

- New concrete should be left for at least 21 days to cure before coating.
- The surface to be coated must be clean and free from all loose extraneous materials such as loose paint, dust etc. High pressure water wash external walls to remove all loose materials.
- If fungus or algae is present, first treat with Berger Fungicidal Wash and leave for 24 hours. Then, thoroughly rinse and wash or scrape away all the fungus.
- If grease is present, clean using a mild detergent or solvent and rinse thoroughly to ensure complete removal of the grease, detergent and solvent.
- This product only works when applied directly to the substrate. As such, when refurbishing old substrates, all existing coatings must be removed to bare substrate before application of Aquashield 90.

Product Use Restrictions

- Not suitable for use on non-porous substrates. Not suitable for use on gypsum boards.
- This product must be applied directly to the bare substrate and allowed to cure for a minimum of 72 hours to achieve its optimum performance properties.

Safety Precaution

- Avoid contact with eyes and skin. Wear suitable protective clothing such as overalls, gloves and goggles. Use a dust mask if applying by spray.
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapour or spray.
- This product is flammable. Keep away from sources of ignition. Do not smoke. Take precautionary measures against static discharge. In case of fire, blanket flames with foam, carbon dioxide or dry chemicals.

First Aid

- Eyes** : In the event of accidental splashes, flush eyes with warm water immediately and seek medical advice.
- Skin** : Wash skin thoroughly with soap and water or approved industrial cleaner. Do Not Use solvents or thinners.
- Inhalation** : Remove to fresh air, loosen collar and keep patient rested.
- Ingestion** : In case of accidental ingestion, DO NOT INDUCE VOMITING. Obtain immediate medical attention.

For further safety information, please refer to our **Material Safety Data Sheet (MSDS)**

The information provided on this data sheet is not intended to be complete and is provided as general advice only. It is the responsibility of the user to ensure that the product is suitable for the purpose for which he wishes to use it. As we have no control over the treatment of the product, the standard of surface preparation of the substrate, or other factors affecting the use of this product, we are not responsible for its performance nor would we accept any liability whatsoever or howsoever arising from the use of this product unless specifically agreed to in writing by us. The information contained in this data sheet may be modified by us from time to time, and without notice, in the light of our experience and continuous product development.

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