



DATASHEET

DIMAP AQUAGUARD

Product Description:

Aquaguard is an acrylic based highly flexible, high performance elastomeric, waterproof coating for roofs and walls. Aquaguard is suitable for application on various construction substrates such as concrete, masonry, plaster and terrazzo tiles.

Aquaguard is available in variety of colours and ideally suited for external applications.

APPLICATION INSTRUCTIONS

Aquaguard is designed for use as:

- » Waterproof coating for sloped roofs and vertical walls.
- » Waterproof coating over existing terrazzo tiles.
- » Waterproof coating over corrugated iron sheets when used with a suitable primer.
- » Waterproof and protective coating over roof polyurethane foam.
- » Waterproofing and protection over bituminous waterproofing membranes and coatings.



ADVANTAGES:

- » Elastomeric.
- » Single component, easy to apply.
- » Available in different colours.
- » UV stable and resistant.
- » Will not support fungus growth.
- » Easy maintenance.

METHOD OF USE

SURFACE PREPARATION

Surfaces to receive Aquaguard should be clean, sound, and free from oil, grease, dirt and loose particles. Substrate should be dry, with no standing water. Spalled surfaces, cracks and defected concrete should be repaired. New concrete substrate should be at least 14 days old.

PRIMING

Aquaguard is designed to be applied over well prepared substrates directly without a primer. For extremely porous surfaces, it is recommended to dilute Aquaguard with water 1:1 and apply it as a primer coat @ 5 m²/ltr and allow it to dry. For fairface concrete surfaces, roughening the surface before application is needed. Alternatively, if roughening is not possible, Repcoat Primer should be used .



TECHNICAL PROPERTIES @ 25°C:

Appearance: Colour:	Thick liquid
Overcoating time:	White, grey, beige (various)
Solid content:	Minimum 4 hr
By weight By volume	
Specific gravity:	
Permeability to water: EN 1062-3	
Adhesion strength:	60 ± 2%
ASTM D4541	50 ± 2%
Tensile strength: ASTM D412	1.25 ± 0.05
Elongation:	
ASTM D412, Die C	< 0.1 kg/m ² .h ^{0.5}
Minimum application temperature:	≥ 1.5 MPa @ 7 days
VOC:	≥ 1.3 MPa @ 7 days
	> 350% @ 2 mm dry thickness
	5°C
	< 50 g/ltr

APPLICATION

Aquaguard can be applied by brush, roll, or airless spray machine. The first coat of Aquaguard should be applied at the rate of 2.5 m²/litre and allowed to cure for 4 - 12 hours (depending in the ambient temperature) before being overcoated with the second coat.

The second coat should be applied perpendicular to the first coat at the same rate above, and allowed to cure.

For heavy pedestrian traffic, it is recommended to use fibreglass scrim reinforcement, embedded firmly in the second coat while wet, and a third coat should be applied.



For applications over corrugated iron sheets, substrate should be primed with Strongcoat WD or Repcoat PM before the application of Aquaguard.

Note: Aquaguard should not be applied at ambient temperatures below 5°C and dropping. Aquaguard should not be applied on surfaces expected to suffer from rising dampness or relative humidity greater than 75%.

CLEANING

All tools should be washed and cleaned immediately after use with clean water.

PACKAGING

Aquaguard is available in 16 litres (20 kg), 18 litres (22.5 kg) and 120 litres (150 kg) packs.

Aquaguard Primer is available in 5 litres (5 kg) and 25 litres (25 kg) packs.

COVERAGE

Approximately 0.40 litre/m² per coat (0.50 kg/m²) to achieve 200 micron dry film thickness.

STORAGE

Aquaguard has a shelf life of 18 months from date of manufacture if stored at temperatures between 5°C and 40°C.

If these conditions are exceeded, contact DIMAPCHEM Technical Department for advice.



HEALTH AND SAFETY

As with all acrylic paints, care should be taken during use and storage to avoid contact with skin, eyes and mouth. Wear suitable protective clothing, gloves and eye/face protection.

Should accidental skin contact occur, remove immediately with plenty of clean water. If swallowed, seek medical attention immediately - do not induce vomiting.

For further information, refer to the Material Safety Data Sheet.

FIRE

Aquaguard and Aquaguard Primer are nonflammable.