

Aquaguard F

Highly flexible, fiber reinforced acrylic waterproof coating

DESCRIPTION

Aquaguard F is a highly flexible, high-performance, elastomeric, fiber reinforced acrylic waterproof coating for roofs and walls.

Aquaguard F is suitable for application on various construction substrates such as concrete, masonry, plaster and terrazzo tiles. Aquaguard F is available in variety of colours and ideally suited for external applications.

APPLICATIONS

Aquaguard F 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.
- » Waterproofing and protection over bituminous waterproofing membranes and coatings.

ADVANTAGES

- » Single component, easy to apply.
- » Elastomeric.
- » Excellent crack bridging properties.
- » Highly durable, enhanced with fibers
- » Will not support fungus growth.
- » Easy maintenance.
- » UV stable and resistant.
- » Available in different colours.

METHOD OF USE

SURFACE PREPARATION

Surfaces to receive Aquaguard F 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.

TECHNICAL PROPERTIES @ 25°C:

Appearance:	Thick liquid
Colour:	White, grey, beige (various)
Overcoating time:	Minimum 4 - 6 hr
Solid content:	
By weight	57 ± 3%
By volume	47 ± 3%
Specific gravity:	1.27 ± 0.05
Tensile strength: ASTM D412	≥ 1.5 MPa @ 7 days
Elongation: ASTM D412, Die C	≥ 150%
Water absorption: ASTM C836	Pass
Crack bridging (3.2 mm): ASTM C1305 @ 3.2 mm thickness	Pass
Adhesion strength: ASTM D 4541	≥ 1.5 MPa
Minimum application temperature:	5°C
VOC:	< 50 g/ltr

PRIMING

Aquaguard F is designed to be applied over well prepared substrates directly without a primer. For extremely porous surfaces or terrazzo tiles, it is recommended to dilute Aquaguard F with water 2:1 and apply it as a primer coat at a rate of 0.4 kg/m² and allow it to dry before applying the first coat.

For fairface concrete surfaces, roughening the surface before application is needed. Alternatively, if roughening is not possible, consult DCP Technical department for primer recommendations.

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



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APPLICATION

Aquaguard F can be applied by brush. The first coat of Aquaguard F should be applied at the rate of 0.7 kg/m² and allowed to cure for 4 - 6 hours @ 25°C (or depending on 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 fibre geotextile mesh (60 gsm) reinforcement such as Donflash H, embedded firmly in the second coat while wet, and a third coat should be applied.

REMARKS

- » Aquaguard F should not be applied on surfaces expected to suffer from rising dampness or relative humidity greater than 75%.
- » Aquaguard F should not be applied over green concrete or freshly laid cementitious screed/mortar.
- » The product is designed only for foot traffic and not meant for vehicular traffic. Not suitable for any machinery or equipment movement.
- » Aquaguard F should not be applied at ambient temperatures below 5°C and dropping.
- » Do not apply during rains.
- » To achieve the optimum waterproofing performance, all parapet walls should be covered with Aquaguard F
- » All corners, gaps, joints, protrusions and outlets shall be coated with extra coat.

CLEANING

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

PACKAGING

Aquaguard F 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

First coat: Approximately 0.7 kg/m².
Second coat: Approximately 0.7 kg/m².
Total consumption 1.4 kg/m² to give approximately 500 microns total dry film thickness.

STORAGE

Aquaguard F 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 DCP Technical Department for advice.

CAUTIONS

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 F is nonflammable.

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