

SafeBlock Seal



Technical Specifications

High Performance, Water Based Block Paving and Surface Seal

SAFEBLOCK SEAL is a water based low odour, polyurethane acrylic dispersion specifically developed for sealing block paving. It is a white, translucent liquid, which forms a film after evaporation of the water. The film is clear and highly resilient. Heavy applications will cause the cured film to have a milky appearance. Extended drying will allow the sealer to become clear.

Advantages

- Penetrates and seals masonry surfaces to protect against the effects of weathering.
- Dries to a clear transparent film that resists yellowing under exterior or ultraviolet exposure.
- Improves cohesion & stabilization of joint infill sand.
- Helps eliminate dusting through good strength development.
- Suitable for use on renders and block work
- Reduces or eliminates efflorescence
- Maximum VOC of 30g/l
- Gives an alternative to solvent based materials where fumes may be objectionable, undesirable or noncompliant.

Application

Surface Preparation:

The surface and joints should be clean and free of moulds, mildews or other plant growth. Remove any other materials that may prevent adhesion of the SAFEBLOCK SEAL. Apply any weed control products according to instructions. Remove any other materials such as waxes, oils or grease from the surface as they will prevent the adhesion of SAFEBLOCK SEAL. Avoid spraying near vehicles or onto windows, doors or surrounds by masking where necessary. Surfaces need not be dry excessive dampness will reduce penetration.

Mixing:

SAFEBLOCK SEAL should be used directly from the container. Stir or mix thoroughly before use.

Application:

Apply at a uniform coverage by spray, brush or roller. SAFEBLOCK SEAL may be sprayed with a hand held "pump-up" sprayer or with an airless industrial sprayer. If roller applied, use a short 8-10mm nap sleeve.

Sealing:

Generally a second coat will be required, apply within 24 hours.

Cleaning:

Immediately after spraying, clean line and nozzle thoroughly with water. Brushes and rollers can also be cleaned with water.

Limitations:

Do not use in rain or if rain is expected in next 4 hours. Do not use in freezing temperatures. Suitable for most general applications but should not be used where persistent moisture is present. Where bricks have softened or pointing is friable, repairs should be carried out before application of SAFEBLOCK SEAL

Technical Information:

The following results were developed under laboratory conditions for a 0.1mm wet film.

- Drying Time* at 20°C, 60% RH 1-2 hours
- Recoat Time** 3-4 hours but <24 hrs
- VOC Content 30g/l

**Where a second coat is to be applied, application must be within 24 hours to ensure proper inter-coat adhesion.

- Weatherometer testing
- Ultraviolet resistance good
- Chalk resistance no chalking
- Check/peel resistance no deterioration
- * Low surface or air temperatures and/or high relative humidity will extend drying times.
- Adhesion to clay bricks ASTM D-4541 excellent
- ASTM G-53, @ 500 Hours

Coverage

Sealing and Dustproofing Masonry: First Coat 3-5 m²/litre Optional Second coat: 5-7 m²/litre. *Coverage rates assume dense bricks, and will vary from the above rates depending on surface porosity and texture.

AVOID EXCESSIVE BUILD-UP. THICKER APPLICATIONS MAY LEAD TO DISCOLOURATION AND IMPROPER SEALER PERFORMANCE.

Storage

Keep containers sealed. Store in dry conditions at room temperature and away from direct heat. Protect from frost. When stored correctly in unopened container storage stability is 1 years. Stir or mix thoroughly before use.

Shelf Life

1 years when stored as per the instructions above.

Specification

SAFEBLOCK SEAL is manufactured by Adomast Manufacturing Ltd and shall be applied strictly in accordance with the manufacturer's instructions. For specific advice regarding any aspect of this product, please consult our Technical Department

Health and Safety

Avoid physical contact with material and inhalation. If contact with skin should occur wash with a suitable antiseptic cleaner and then soap and water. If splashes should affect eyes, bathe immediately with clean water and if discomfort persists seek medical advice.

See Safety Data Sheet for further information.