

Raindance

Siloxane-based water-repellent for masonry (solvent-free)

Description

Raindance is a concentrated colourless water-repellent for masonry based on UV resistant siloxane resins.

Raindance can be used on old and new buildings to protect against penetrating damp and to keep masonry clean. Raindance will not block the pores in masonry so water vapour is able to escape (thus preventing the “spalling” associated with less advanced products)



Before Application

Wooden and metal window/door frames and glass surfaces should be covered up before treatment, since removal of silicone resin splashes after drying can be very time consuming. Splashes should be removed as soon as possible using soapy water or, if necessary, a solvent. Due to the fast curing rate of Raindance, splashes will be extremely difficult to remove after a few days. Plants should be protected by covering with plastic sheeting.

Ideally, Raindance should only be applied when no rainfall is expected for a period of at least 24 hours.

It is important to determine how severely exposed the treated site is in relation to wind speed. Treatments may fail at wind speeds in excess of 100km/h. In these situations, a rendered finish, incorporating Oldroyd-P Plaster Membrane should be considered.

Preparation of The Substrate

For the treatment to be successful it is essential to check all joint and roof connections. Major cracks in the brickwork should be filled in. Hairline cracks up to 0.3mm can be “bridged” by Raindance. If re-pointing is necessary, the mortar should be allowed to age for 2-3 weeks before treatment.

Dirty surfaces should be cleaned before impregnation using any proprietary acid or alkaline brick cleaner. **DO NOT USE DETERGENTS.** Steam cleaning or grit blasting are also suitable. Rust, tar and bitumen stains must also be removed with a non-detergent cleaner prior to treatment.

Dilution

Raindance should be diluted to the required strength before use by the addition of tap water. When adding water to Raindance the emulsion should be stirred.

For most surfaces Raindance should be diluted 1:14 with tap water:

1.67 litre pack of Raindance + 23.33 litres tap water = 25 litres working solution

For more difficult substrates such as limestone or those with a pH of above 10.5 (e.g. Asbestos Cement or new concrete) Raindance should be diluted 1:9 with tap water:

1.67 litre pack of Raindance + 15.03 litres tap water = 16.7 litres working solution

Once diluted, Raindance should be used within two days. Its appearance will not change after this period. Therefore it is important not to dilute more Raindance than you require as it cannot be stored for future use.

Application

Brush or Lambswool Roller

This method is recommended if the areas to be treated are small or if the wall has a large number of windows. Special care should be taken to ensure that sufficient Raindance is applied (1 litre dilute product per 3.5 square metres per coat), since the success or failure of the treatment depends on this factor. At least two coats should be applied wet on wet.

Coarse Spray (Flood Coating)

This method is recommended when treating large areas, Raindance being applied by means of a knapsack sprayer or piston pump and spray lance. Spray pressure should be kept as low as possible - the solution should be seen to flow in a stream from the spray lance rather than form a spray mist.

Application should start at the highest point working from side to side allowing a "run down" of 6-12". If treatment is halted, it is advisable to make a light chalk mark to indicate where treatment has ceased.

It is important that the coating is uniform and that sufficient Raindance is applied. It is therefore advisable to flood coat twice on most surfaces, Raindance being applied wet on wet. On poorly absorbent surfaces, one coat of Raindance will usually suffice.

Use of Raindance as a DPC Injection Fluid

For use as a DPC Injection Fluid, Raindance should be diluted 1:19 with tap water:

1.67 litre pack of Raindance + 31.73 litres tap water = 33.4 litres working solution

Dilute Raindance should be injected into the wall under low pressure using the method described in our "Microsilan" data sheet (available on request).

Disposal

Cement should be added to any unused Raindance. This will cause the product to react and form a gel which can be disposed of with building refuse.

Storage

Store above 5°C. Store out of direct sunlight.

Coverage

1 litre dilute product per 3.5 square metres per coat. Note that all mixed material must be used immediately and cannot be stored, as it will cure into a resin.

Health and Safety

Read material safety data sheet, available on request.

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©2004 Safeguard Europe Ltd., Redkilyn Close, Redkilyn Way, Horsham, West Sussex. United Kingdom.
Tel: +44 1403 210204. Fax +44 1403 217529. Web: www.safeguardeurope.com