

Stormdry® MAX – Enhanced Waterproofing Barrier

Product Description

Stormdry® MAX Enhanced Waterproofing Barrier is a clear gel coating providing lasting waterproofing, crack-bridging and anti-graffiti protection. It can be used on masonry, stone, concrete, selected metals and painted surfaces. It can be used as a top coat for Stormdry® Masonry Protection Cream when multiple fine cracking is seen on the wall surface. **Stormdry® MAX** bridges cracks up to 0.6 mm wide providing protection against penetrating damp, giving up to 10 year's weather protection. In anti-graffiti application, it will take up to 15 wash cycles to eliminate any graffiti applied to the surface coating and offers low-level flood resistance. The clear liquid is air moisture curing and is ready for use. It can be applied by brush and roller. The coating is partially breathable and gives a semi-gloss appearance which fades with time.

Benefits

- Waterproof barrier
- Enhanced crack bridging up to 0.6 mm
- Long lifetime (10 years on masonry^[1])
- Non-sacrificial anti-graffiti coating
- UV resistant

Properties

Appearance	Hazy liquid, dries clear
Recipe Type	Moisture curing silicone
Size(s) & Packaging	1 litre and 3 litre metal tins
Coverage	4 – 5 m ² per litre (for 1 coat) ^[2]
Service Life	10 years ^[1]
Storage	Store between 5 – 25°C in the original container
Shelf Life	12 months in unopened pack
Minimum Application Temperature	5 °C



Application Information

Preparation

When applying over a clean, dry wall treated with Stormdry® Masonry Protection Cream no preparation is needed.

When applying to an untreated surface, first remove any loose or flaking paint or coatings, mortar, dust and other surface debris using a masonry brush. Remove any biological growth such as moss, algae or lichen using a biocidal cleaner and allow the wall to dry. Ensure the wall is fully clean before applying **Stormdry® MAX**.

Repair any large cracks using Stormdry® XR-Mortar or a suitable mortar mix and allow it to cure. For flooding situations, add Stormdry® Repointing Additive No.2 to the mortar mix and allow it to cure for 7 – 14 days.

Stormdry® Cream is recommended as a primer before applying **Stormdry® MAX** to an unpainted or uncoated surface. Refer to the Stormdry® Cream datasheet for application instructions. After the application of Stormdry® Cream, it is recommended to wait 24 hours before applying **Stormdry® MAX**.

If Stormdry® MAX is applied to an existing painted or coated surface in good condition, a primer is not required

^[1] Based on accelerated QUV ageing, in combination with Stormdry® Masonry Protection Cream as a primer.

^[2] Based on the product being applied in one coat. The coverage will vary depending upon the overall porosity of the substrate to be treated.

Stormdry® MAX should not be applied to fragile substrates or structures containing high levels of salt. It is intended for use above damp-proofing course level only.

Test Area

Before application, it is recommended that a small test area is treated for aesthetic acceptability before full application begins. There will be a reduction in the initial gloss in the first few days.

Application

Apply when rain is not forecast for the next 24 hours. Minimum application temperature is 5 °C and rising.

Windows, door frames, glass surfaces, plants and other surfaces should be covered up before treatment, since the removal of silicone resin splashes after drying can be very difficult. Splashes should be removed as soon as possible using white spirit.

Apply by brush or roller. Make sure a complete and even coat is applied. Use a brush to push the coating into any gaps, uneven surfaces and to clean up any drips. After application brushes and rollers should be cleaned immediately with white spirit.

Stormdry® MAX cures quickly once applied to dry substrates and when exposed to humidity in the air. It is dry to touch after 2 hours and tack free after 4 hours. Complete drying for heavier film builds may require up to 24 hours, leaving a slightly darkened look to the wall. If necessary **Stormdry® MAX** can be re-coated.

Note: As **Stormdry® MAX** is moisture curing, containers once opened, should be used up. Any remaining coating exposed to air will continue to cure and thicken resulting in surface skinning and increased viscosity.

Crack Bridging

Stormdry® MAX will bridge cracks up to 0.6 mm with a single coat application although it may be necessary to apply a second coat on significantly damaged walls.



Anti-Graffiti

Stormdry® MAX provides a non-sacrificial coating against graffiti and fly posters. To remove any graffiti sprayed onto **Stormdry® MAX**, clean the surface with a high pressure washer using cold water or scrub using scourer. After rainfall, fly posters will naturally detach due to low adhesion to the surface. After 15 wash cycles **Stormdry® MAX** may need to be recoated.



Flood Defence

When used for flood resistance, ensure **Stormdry® MAX** is used in conjunction with Stormdry® Repointing Additive No.2 and Stormdry® Masonry Protection Cream. It is applied no higher than the flood design height or 0.6 m above ground level. Refer to the Safeguard® Flood Resilience documentation or contact our technical department for further information.

Other Information

Product testing in the Safeguard® Laboratory has found that the Wagner Heavycat 950 sprayer is suitable equipment for spray application, under settings of greater than 240 bar and hose diameter 3/8" and tip size greater than 0.13". **Stormdry® MAX** can be diluted with up to 10 % white spirit to aid spraying. Immediately after use, flush the sprayer with white spirit to remove any residue and clean the nozzle.

Stormdry® MAX can be used on other materials to form a water-resistant barrier, for example wood and selected metals.

Stormdry® MAX is produced in accordance with ISO 9001 and ISO 14001 quality and environmental management systems.

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