

Stormdry® FD-Coat – Flood Defence Crack Bridging Waterproof

Product Description

Stormdry® FD-Coat – Flood Defence Crack Bridging Waterproof is a clear water-resistant coating intended for use on masonry and stone. It can be used as a top coat for Stormdry for properties at risk of low level flooding. The clear liquid is ready for use and can be applied by brush and roller.

Stormdry® FD-Coat forms a waterproof barrier and bridges small cracks in walls providing performance against flood water. 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
- UV-resistant
- Long lifetime (10 years on masonry ^[1])
- Compatible with Stormdry® System products

Properties

Appearance	Hazy liquid, dries clear
Recipe Type	Moisture curing silicone
Density	0.98 g/cm ³
Size(s) & Packaging	3 Litre metal tin
Coverage	4 – 5 m ² per litre ^[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 and rising



Application Information

Preparation

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

When applying to an untreated surface, first remove any loose mortar, dust etc., using a masonry brush. When biological growth such as moss, algae or lichen needs to be removed, apply SoluGuard® Multi-Surface Biocide in accordance with instructions and allow the wall to dry. Ensure the wall is fully clean before applying **Stormdry® FD-Coat**.

Repair any large cracks using a suitable mortar mix incorporating Stormdry® Repointing Additive No. 2, and allow to cure for 7 to 14 days.

Stormdry® Cream should be used as a primer before applying **Stormdry® FD-Coat**, refer to Stormdry® Cream datasheet for application instructions.

After the application of Stormdry® Cream it is recommended to wait 24 hours before applying **Stormdry® FD-Coat**.

Stormdry® FD-Coat should not be applied to fragile substrates or structures containing high levels of salt.

When used in a flood situation ensure **Stormdry® FD-Coat** 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.

^[1] Based on accelerated QUV aging, in combination with Stormdry® 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.

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, **Stormdry® FD-Coat** should not be applied if temperatures are forecast to drop below this temperature.

Window/door frames, glass surfaces and plants should be covered up before treatment, since 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. Brushes and rollers should be cleaned immediately with white spirit.

Stormdry® FD-Coat 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® FD-Coat** can be re-coated.

Stormdry® FD-Coat 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.

Note: as **Stormdry® FD-Coat** 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.

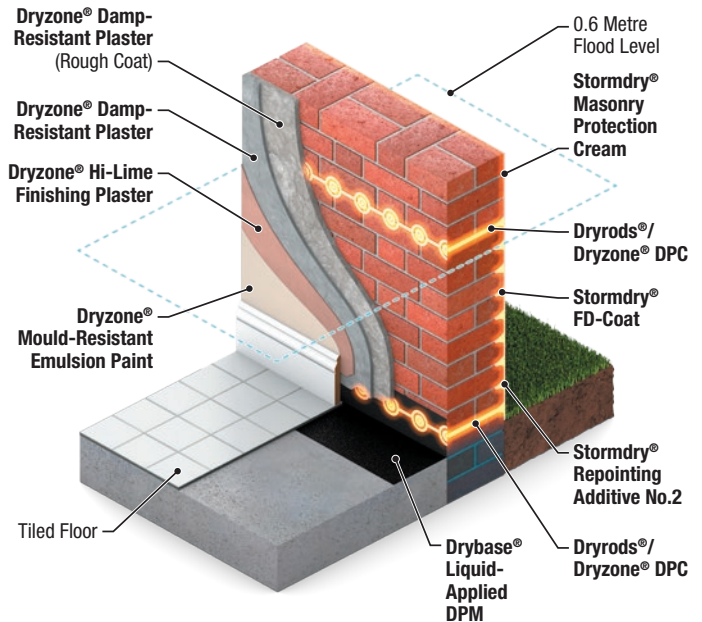
Other Information

Product testing in the Safeguard Laboratory has found that the Wagner Heavycoat 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® FD-Coat** can be diluted with up to 10% white spirit to aid spraying.

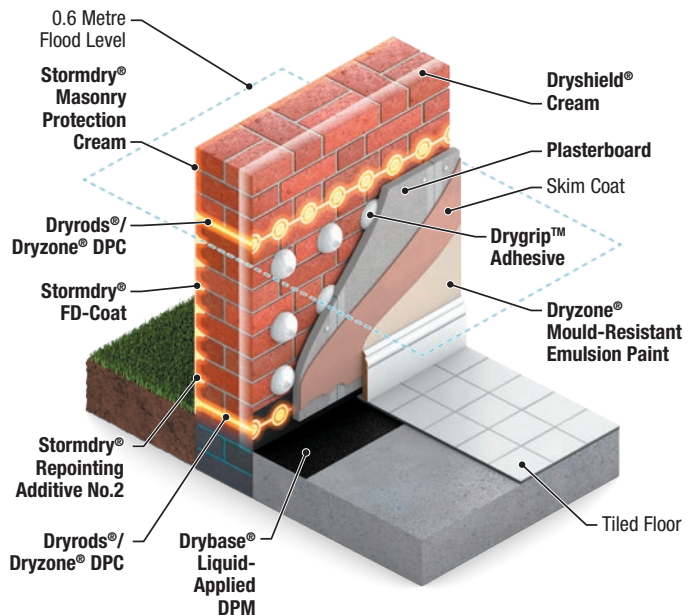
Stormdry® FD-Coat can be used on other materials to form a water-resistant barrier, for example wood and selected metals.

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

Flood System 1 (Resilience):



Flood System 1 (Repairable):



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