

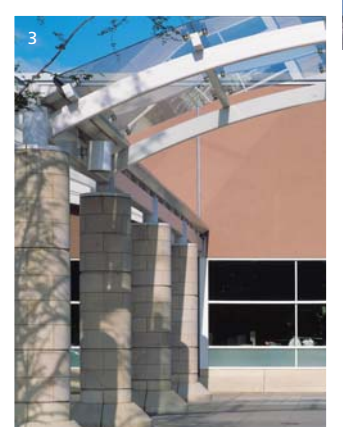
StoRend Fibre

The System

StoRend Fibre is a quality render system from Sto using a modified, fibre reinforced levelling coat for improved crack resistance, and Sto synthetic resin decorative finish renders for outstanding weather protection and long-lasting vibrant colours. StoRend Fibre is especially suitable for use on highly porous brick and aerated concrete substrates.

The Benefits

- Factory batched, fibre reinforced, modified levelling coat levels irregularities up to 20mm, and offers better adhesion to all load-bearing substrates.
- High polymer content and fibres give improved resistance to surface cracking and cracking induced by thermal movement or mechanically induced stresses.
- Through coloured, colour fast finishes do not require over-painting to maintain their totally weather-proof qualities, yet remain vapour permeable.
- Vast colour choice of finish renders with a standard range of 800 colours plus white.
- Unique QS (Quick Set) grade materials offer frost resistance and wash off protection from +1°C, helping projects complete on schedule.
- Sto decorative finish renders offer proven performance with over 450 million m² applied since 1955 in all climatic zones worldwide.



Sto now offer* a unique insurance backed warranty covering:

- 10 years against latent defects in the render including adhesion, weather-proofing and fade resistance.

StoRend Fibre:
Complete peace of mind – guaranteed.

**Additional charge.*

- 1: Project: Rotheley House, London
Architect: ECD
- 2: Project: Saxmundham Primary School, Suffolk.
Architect: Suffolk County Architects
- 3: Project: Sainsburys, Edinburgh.
Architect: Reich & Hall Architects

System Description

1. Levelling Coat

Sto-Fibrecoat cement based, polymer modified, fibre reinforced levelling coat, thickness 2 – 16mm. Above 12mm, apply in multiple coats to achieve a smooth, level surface. Application thickness for localised repairs: 2 – 20mm in one coat.

Performance (after 28 days): Tensile strength; 2.39 N/mm². Compressive strength; 5.63 N/mm². Adhesion to concrete; 0.36 N/mm².

Drying time: approx. 1 day per mm thickness*

2. Intermediate Coat

Sto-Primer – acrylic based intermediate coat
Drying time: May be over-coated after 8 hrs*

3. Decorative Finish Renders

Sto through coloured, weather-proof, low maintenance decorative renders.

Use either:

Stolit acrylic resin render

Performance: Water absorption; w24 0.04kg/m².h0.5. Vapour permeability; sd0.24m.

or **StoSilco** silicone resin render

Performance : Water absorption; w24 0.116kg/m².h0.5. Vapour permeability; sd0.18m.

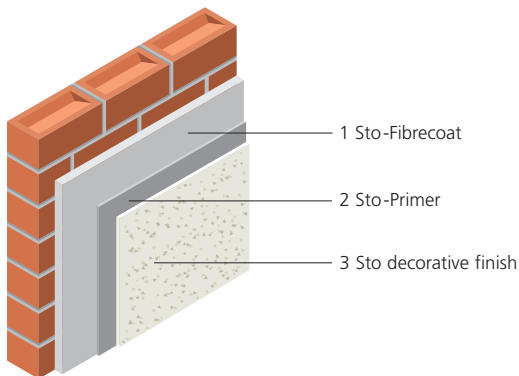
*Drying time: May be over-coated after 24 – 72 hours

Thicknesses: As per Sto Render Guidelines.

Use QSE grades below +5°C

See box on Sto Decorative Renders for more details.

For a full specification, please contact Sto Ltd.



Surface Preparation

Correct preparation is of crucial importance to the functioning of the system. Existing substrates should be clean, dry and free of loose coatings or dirt etc. Make good as necessary.

Surface Preparation Treatments (if required)

StoPrim Fungal - fungicidal wash should be used where algae or fungus are present. Do not wash off after application.

StoPrim Micro – deeply penetrating, siloxane based primer which forms a water repellent layer in the substrate. Reduces the absorbency of porous substrates and helps consolidate the surface.

StoPrep Contact – acrylic based adhesion intermediary for siliconised bricks, ceramic tiles or other low absorbency backgrounds.

If in doubt, please consult Sto for advice on the use of primers. Other primers are available for substrates requiring special treatment.

Technical Guidelines

Blockwork Tolerances

Levelling uneven blockwork adds cost to the system. The blockwork should therefore be constructed as true as possible – ideally to fair-face tolerances

Application

Sto Render Systems use specialist materials applied by trained, registered applicators.

Details

Detail drawings are available for most standard details. Please contact us for further information.

Stop Beads / Corner Beads

Use Sto Proprietary Beads.

Winter Working

Selected Sto finishes are available in QS (quick set) grades which are unique to Sto. These special materials can be used down to +1°C / 95% r.h. and are wash off and frost resistant after 9 hours. This performance is unequalled for water based materials. No solvents are used, protecting the environment.

*Drying Times

Drying times are based on 20°C/65% r.h. Drying will be prolonged by cooler temperatures or higher humidity. Moisture content of the substrate will also be a factor.

Sto Decorative Finishes: Sto offers a wide variety of through coloured, low maintenance finishes including

Stolit K/R/MP

Excellent weather protection
Vapour permeable
800 colours.
4 aggregate sizes plus
Stolit MP, see right.

Stolit /StoSilco 'Stippled' finish



Stolit /StoSilco 'Rilled' finish



StoSilco K/R/MP

Visually similar as Stolit, but:
Better vapour permeability
Better dirt resistance
Water repellent nature
465 colours + 3 aggregate sizes
plus **StoSilco MP** =>

Stolit MP/StoSilco MP finish



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