

StoRend Flex Cote

The System

StoRend Flex Cote is a specialist anti-crack render system using the highest quality materials to give outstanding levels of crack resistance, weather protection and dependable, durable good looks.

The Benefits

- Factory batched, modified levelling coat levels irregularities, levelling up to 20mm in a single application.
- Reinforcing coat using fibre-reinforced cement free render and specially impregnated non-degradable Sto Glass Fibre Mesh provides more than 15 times the crack resistance of conventional modified cementitious renders.
- StoRend Flex Cote can bridge joints between dissimilar substrates without risk of cracking. Expansion joints through the wall must be mirrored.
- Finish renders do not require over-painting and offer complete weather protection, yet remain vapour permeable.
- Unique QS 'quick set' materials offer frost resistance and wash-off protection from +1°C, helping projects complete on time.
- Vast colour range of 800 colours to choose from.
- Sto's through coloured decorative finish renders offer proven performance with over 450 million m² applied since 1955 in all climatic zones worldwide.



1: Luma Building, Glasgow
Architect: Cornelius McClymont

2: Beckenham Leisure Centre, Beckenham
Architect: LA Architects



**Sto now offer*
a unique insurance
backed warranty covering:**

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

StoRend Flex Cote:
Complete peace of mind – guaranteed.

**Additional charge.*

System Description

1. Levelling Coat

StoLevell Cote cement based, polymer modified levelling coat, of thickness 6 – 16mm. Above 12mm, apply in multiple coats to achieve a smooth, level surface. Application thickness for localised repairs: 6 – 20mm. Drying time: 1 day per mm thickness*.

2. Reinforcing Coat

StoArmat Classic cement free, water based, fibre reinforced, highly flexible render Application thickness: Max. 3mm. Drying time: 24 – 48 hours*

3. Reinforcing Mesh

Sto Glass Fibre Mesh a specially developed reinforcing mesh which is embedded in the **StoArmat Classic** whilst still wet to provide additional crack prevention. Performance: (StoArmat Classic / Sto Glass Fibre Mesh combined): Adhesion to concrete: 0.93N/mm². Tensile strength: 2.2% expansion at 2200N/50mm

4. 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.

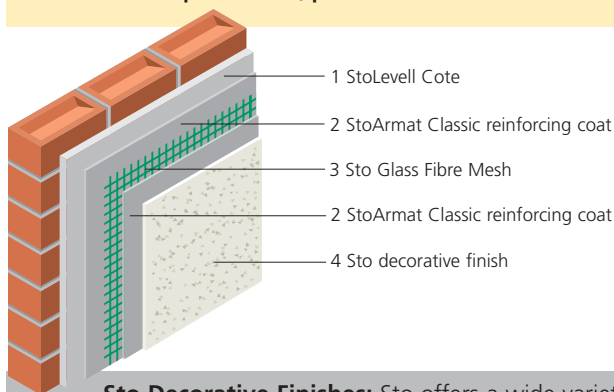
Drying time: May be over-coated after 24 – 72 hours*

Thicknesses: As per Sto Render Guidelines.

Use QSE grades below +5°C

See box on Sto Decorative Renders for more details.

For a detailed specification, please contact Sto Ltd.



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 repellant nature
465 colours + 3 aggregate sizes
plus **StoSilco MP** =>

Stolit MP/StoSilco MP 'Rustic' finish



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 repellant 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.



Head Office Sto Ltd.

Unit 3, Lyon Road
Linwood Industrial Estate
Paisley PA3 3BQ
Tel: +44 (0)1505 324262
Fax: +44 (0)1505 323618
info.uk@sto.eu.com

Regional Offices Sto Ltd.

Tel: +44 (0)1256 332770
Fax: +44 (0)1256 810887
info.uk@sto.eu.com
Tel: +353 (0) 1 460 2305
Fax: +353 (0) 1 460 2455
www.sto.co.uk
www.sto.ie