



Sto Rotofix

A uniquely strong, fast and flexible fixing system



Challenges Accepted

You will know that uneven surfaces and irregularities present their own unique challenges when fixing external wall insulation. The quest for seamless render façades and cavity requirements also present unique challenges for designers and contractors alike.

That's why we have developed Rotofix, a unique helix spiral fixing system that is stronger, quicker to install and has better levelling capabilities with fewer components than any comparable system.

Sto UK has been supplying products and systems for building coatings for over 50 years, which means we are the experts in insulated façades.

We offer full training for applicators at our facilities in Birmingham or Glasgow, and on-site support for all members of the project team is available from our highly experienced Technical Advisors.

If you have any questions about Rotofix Plus or Rotofix Mini you will find a helpful answer at info.uk@sto.com or +44 (0)141 892 8000.

Strength and versatility as standard

Rotofix enables façades to be installed securely with high wind load resistance (typically **at least 30%** and **up to 130%** better than rail systems), whilst still providing a cavity for **NHBC** requirements or to accommodate surface irregularities.

Whether Mineral Fibre or EPS, Rotofix works by setting a strong, reinforced plastic spiral into the insulation, fixing this to the substrate and then allowing adjustment of the spiral to achieve a perfectly level surface ready for the basecoat.

Virtually any substrate can be accommodated from solid masonry to sheathing boards on lightweight steel frame.

Curved façade? No problem

Rotofix allows the easy formation of curved façades with none of the hassle experienced with rail systems.

No 'faceting' of the surface or need for excessive rasping to form the curve. Each Rotofix fixing is adjusted individually to create a well levelled, consistent surface, with each insulation board fitting perfectly with its neighbour.

Easy procurement, less waste

With far fewer components, with Rotofix it's easier to accurately estimate and order the materials you need. With one plastic spiral and one fixing compared to numerous fixings, shims and types of rail, there's far less to go wrong in the supply chain.

Our Rotofix estimator, available to authorised applicators online, will give you a good idea how many fixings per square meter are required for most elevations, and takes account of openings in the structure as well as corners.

On-site, there are no rails to cut (and hence no waste) and no small fixings to drop down the scaffold.



Excellent accommodation of deflection

The quest for seamless façades means that deflection from live loading of floor slabs has to be taken up by the EWI system. Rotofix systems allow **up to 19mm** of deflection per floor - no need for unsightly expansion joints on the surface.

Installation security

The façade is up, but are you sure the right number of fixings have been used? A common source of failure with rail systems is solved with Rotofix, as the number and position of fixings can be viewed during installation. Often this isn't possible with rail systems, as the fixings are much harder to see and are covered up very quickly as the insulation is applied.

Fully Certified

Rotofix Plus is included in all Sto EWI **BBA**s with Rotofix Mini to follow. Rotofix Mini has also easily passed wind load and impact tests to **CWCT** (Centre for Window and Cladding Technology) standards. Additionally, both fixings easily meet **NHBC** cavity drainage requirements.



Rotofix Plus



Rotofix Plus is the ultimate fixing for ultimate wind load resistance and large cavities using EPS or Mineral Fibre insulation.

Insulation Type	EPS	Mineral Fibre
Max. Wind Load (no factor of safety applied)	>5 KN/m ² *	>5 KN/m ² *
Cavity Range	20-70mm	20-70mm
Insulation Thickness Range	80-300mm	80-200mm

Rotofix Mini



Rotofix Mini provides a great economical solution with good resistance to wind loads in thinner EPS or Mineral Fibre insulation.

Insulation Type	EPS	Mineral Fibre
Max. Wind Load (no factor of safety applied)	>3.8 KN/m ² *	>3.8 KN/m ² *
Cavity Range	20-30mm	20-30mm
Insulation Thickness Range	60-120mm	60-100mm

*Maximum capacity of test equipment reached without failure

Head office**Sto Ltd.**

2 Gordon Avenue
Hillington Park
Glasgow
G52 4TG

Tel +44 (0)141 892 8000

Fax +44 (0)141 404 9001

info.uk@sto.com

www.sto.co.uk

Midlands Training & Distribution Centre

Sto Ltd.

Unit 700
Catesby Park
Kings Norton
Birmingham
B38 8SE

Tel +44 (0)121 459 5149

Fax +44 (0)121 459 0632

London Showroom

Sto Werkstatt

7-9 Woodbridge Street
Clerkenwell
London
EC1R 0LL

Tel +44 (0)20 7222 2221

werkstatt@sto.com

werkstatt.sto.com

Ireland Office & Distribution Centre

Sto Ltd.

E7 Riverview Business Park
Nangor Road
Clondalkin
Dublin 12
D12 AD93

Tel +353 (0)1460 2305

Fax +353 (0)1460 2455

info.ie@sto.com

www.sto.ie