



# EXTERNAL WALL INSULATION SYSTEMS

# YOUR EXTERNAL WALL INSULATION EXPERTS

External Wall Insulation (EWI) systems from Sika incorporate high-performance render finishes with a variety of insulation products. A premium quality Sika EWI system creates attractive, energy-saving facades for both new build and refurbishment properties.

We offer a unique range of EWI renders and finishes to create a façade which supports the reduction of our carbon footprint and lowers energy bills for the building.

Sika EWI systems have undergone stringent testing in line with European and UK testing requirements. For example, Sikatherm EWI systems hold KIWA third party agreement certification and Parextherm EWI systems have ETA and UKTA technical approvals.

Our EWI systems are fully warranted and designed to achieve a minimum 25-30 year design life, dependent on which EWI system is specified.

- Sika has an integrated management system which is externally accredited to: BS EN ISO 9001, BS EN ISO 14001, BS ISO 45001 & BES 6001.
- Not content with just manufacturing market leading products, we also offer a 'complete' package to customers and specifiers with industry sector experts available to provide unsurpassed levels of free technical advice, specifications and CAD details.
- Sika is active in 102 countries on all continents with strong local organisations. With more than 400+ factories worldwide and a network of 18 Global Technology Centres, Sika takes the lead in long-term research programmes and the development of new innovative solutions.

## WHY CHOOSE EWI?

External walls are the most significant contributor to energy loss, accounting for over 35% of heat loss from the home. Poorly insulated walls allow expensive heat to seep out through gaps and cracks leading to a colder living environment and higher energy bills.

Properties with narrow cavities or solid wall construction can be difficult to insulate. Sika EWI systems provide the solution, installing insulation to the façade of the property rather than the internal walls.

This highly effective solution significantly reduces heat loss through the external envelope, while also improving the appearance and kerb appeal of the property.

External walls can  
account for over

35%

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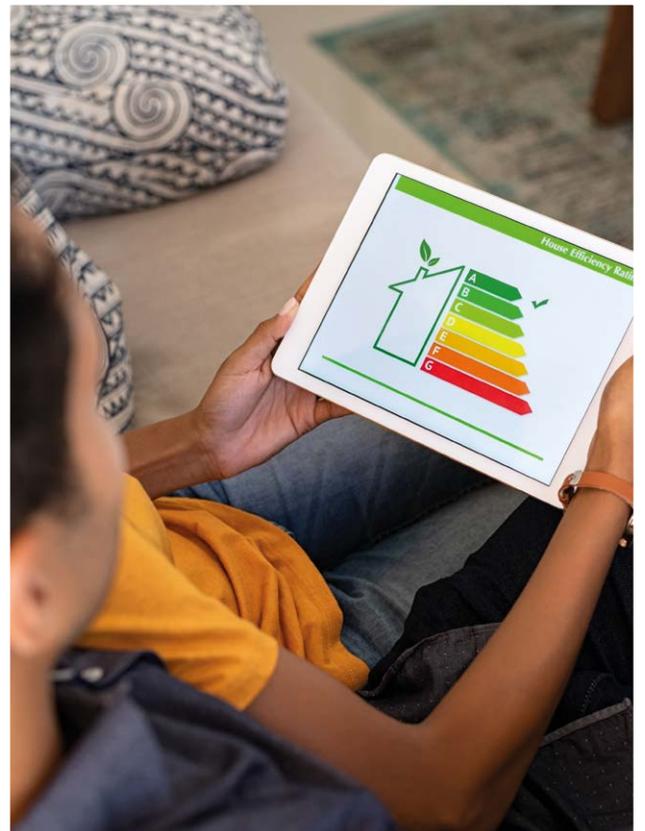


## WHAT DOES EWI DO?

Think of the Sika EWI system as wrapping the building in a blanket to provide an extra energy-efficient layer. This additional layer creates a warmer, more comfortable environment within the home resulting in reduced energy usage and lower bills. As the risk of fuel poverty becomes more apparent for a growing number of the population, the reduction in heating costs will have a positive impact on many families.

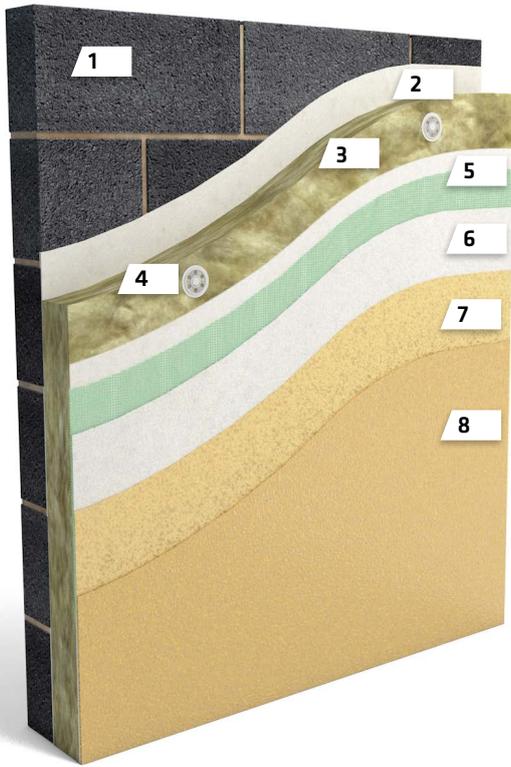
Warmer internal walls also significantly reduce the risk of condensation and mould growth, improving living conditions for those within the property.

Not only this, but it also reduces the carbon footprint of the home. In a world increasingly focused on combating climate change, any initiative that minimises CO2 emissions is a step in the right direction.



**SCAN THE QR CODE OR VISIT  
[SIKA.CO.UK/EXTERNALWALL](https://www.sika.co.uk/externalwall)  
INSULATION FOR MORE INFORMATION.**

# SIKA EXTERNAL WALL INSULATION SYSTEMS



## SIKATHERM®

A KIWA\* certified external wall insulation system that uses SikaWall adhesive and basecoat. Available with either Mineral Wool, EPS or Phenolic insulation, the Sikatherm® external wall insulation system can be finished in Sika's synthetic or dash render finish.

- 1 **SUBSTRATE**
- 2 **ADHESIVE**  
SikaWall®-1015 Adhesive
- 3 **INSULATION**  
Mineral Wool, EPS or Phenolic
- 4 **MECHANICAL FIXING**
- 5 **BASECOAT & REINFORCEMENT**  
SikaWall®-1015 base coat embedded with 355 AVU reinforcement mesh
- 6 **BASECOAT**  
SikaWall®-1015 base coat
- 7 **PRIMER**  
If required
- 8 **FINISH**  
Acrylic, Siloxane or Dry Dash Render

## SIKA EWI FINISHES

To provide the perfect façade finish, choose from our portfolio of Sika synthetic or mineral renders in a wide range of colours, including top coat finishes; pre-mixed, ready to apply Acrylic or Siloxane based decorative render; or dry dash render with aggregate.



Acrylic Render



Siloxane Render



Dry Dash Aggregate

- \* KIWA Agrément No's: **EPS:** BAW-22-262-S-A-UK  
**Mineral Wool:** BAW-22-263-S-A-UK (A2-s1, d0 to EN 13501-1 compliant dependent on finish selected)  
**Phenolic:** BAW-22-264-S-A-UK

## SUBSTRATES

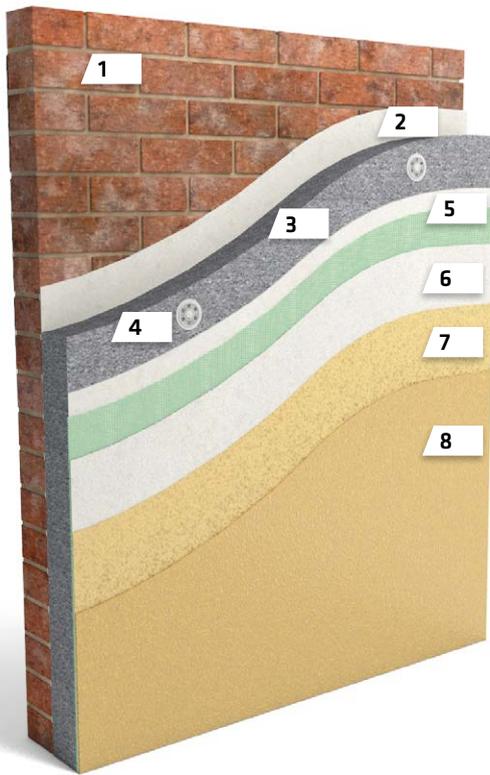
Sika EWI systems can be applied to a wide variety of masonry substrates for existing or new residential or non-residential buildings.

These include:

- Clay and calcium silicate bricks
- Concrete (cast on site or as prefabricated panels)
- Natural and reconstituted stone blocks
- Concrete supporting walls

Please consult the Sika Specification Team for any additional support.

# OUR SOLUTIONS



## ADHESIVE AND BASE COAT

A strong foundation is key when installing an EWI system, and SikaWall®-1015 Adhesive Coat from the Sikatherm® system provides just that. Containing an optimal amount of polymer, it will perfectly adhere to the chosen insulation board, whether EPS, Phenolic or Mineral Wool. SikaWall®-1015 and Parex Maite base coats have also been designed to receive Sika 355 AVU Reinforcing Mesh for added strength.

## TOPCOATS

Sika's EWI systems can be completed in a range of finishes, colours, and textures, depending on the desired appearance. Revlane, a ready to apply acrylic coating is the perfect topcoat for any Sikatherm® EWI system. Available in a vast range of colours, it can accommodate the individual needs of each project. When a more robust finish is needed in areas of harsh weather conditions, SikaWall®-5400 Exposed Aggregate Dry Dash Receiver is the ideal solution.

## PAREXTHERM

A cost-effective, thermally efficient insulation solution suitable for both new-build and refurbishment projects. Choose from a dash, mineral, or synthetic render finish, all backed by third-party certification: ETA-11/0110 **Mineral Wool** and ETA-04/0014 **EPS**.

- 1 SUBSTRATE**
- 2 ADHESIVE**  
Parex Maite Adhesive
- 3 INSULATION**  
Mineral Wool or EPS
- 4 MECHANICAL FIXING**
- 5 BASECOAT & REINFORCEMENT**  
Parex Maite base coat, embedded with 355 AVU reinforcement mesh
- 6 BASECOAT**  
Parex Maite base coat
- 7 PRIMER**  
If required
- 8 FINISH**  
Dry Dash, Mineral or Synthetic Render

## ANCILLARIES

To provide additional strength to the EWI system, Sika 355 AVU Reinforcing Mesh is used within the base coat layer while still wet. The mesh is particularly useful around challenging areas of a property, such as around window and door frames where cracking can occur.



# OUR EWI PROJECTS

**WHETHER RETROFIT, REFURBISHMENT, NEW BUILD OR COMMERCIAL**, Sika has the External Wall Insulation System Solution.



U-Value  
**AFTER**  
**0.28**  
W/m<sup>2</sup>K



**“ON BEHALF OF SWANSEA COUNCIL**, can I express my gratitude to Sika as both a product and a company. Over the past 3 years the collaboration has proved to be so valuable in helping Building Services work towards its key principle and getting the best for our local tenants and their communities.”

Ashley Taylor  
Planning and Contracts Manager,  
Swansea Council

**REFURBISHMENT:** Swansea Council  
Sika Parextherm + Dry Dash, Siloxane Render, Scratch Render

**RETROFIT:** Passiv House  
Sika Parextherm + Parex EHI GM Render



**NEW BUILD:** 56 The Avenue  
Sika Parextherm + Revlane Siloxane Render



# REFURBISHMENT OR NEW BUILD



## REFURBISHMENT:

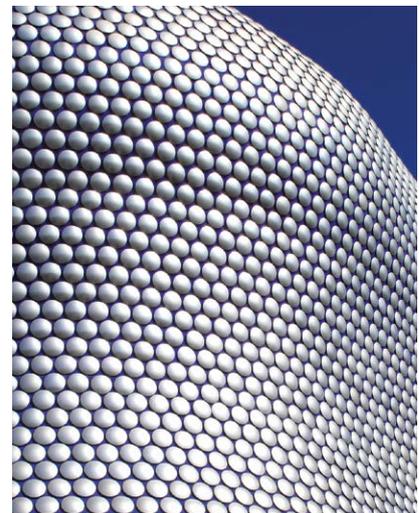
South Lanarkshire Council  
Sikatherm® + Dry Dash and  
Revlane TG render

**“DUE TO THE VARYING REQUIREMENTS OF THE CLIENT AND SITE,**

a range of U-values were achieved, from 0.14 -0.18 W/m<sup>2</sup>K, all exceptionally low and providing significant cost-savings against energy bills, helping to alleviate fuel poverty within this area.”

Gary McGinn

Contract Manager, GMG Contractors



U-Value  
**AFTER**  
**0.14**  
W/m<sup>2</sup>K



**COMMERCIAL:** Selfridges Building, Birmingham  
Parextherm external wall insulation system

# PEACE OF MIND

FROM DEDICATED SPECIFICATION MANAGERS TO SITE SUPPORT AND TRAINING, SIKA PROVIDES THE COMPLETE SOLUTION FOR ANY PROJECT THROUGH THE ENTIRE PROJECT JOURNEY.



## SUPPORT

- National distribution and access to a network of registered applicators
- Training available to stakeholders, including installers, clerk of works, and design managers
- Nationwide project technical support provided via phone, e-mail or in person
- Samples available on request
- Funding assistance for eligible, government funded, EWI projects
- Sika products are registered with NBS Source

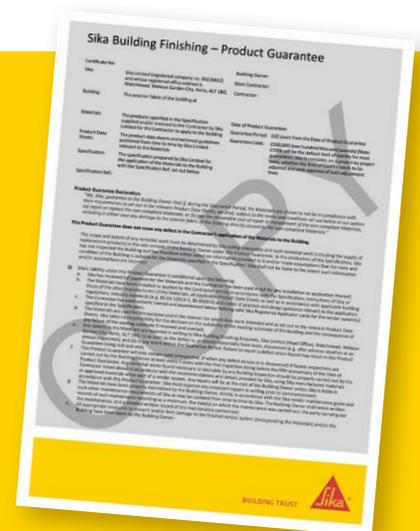


## PRODUCT GUARANTEE

Sika provides a 10-year material guarantee as standard on all EWI installations, as required on all new build residential buildings by NHBC, Premier Guarantee, etc.

Sika EWI guarantees are provided where:

- A project specification is issued
- The work is carried out by a Sika Registered Applicator
- A post installation inspection has been successfully completed by Sika



With Sikatherm® and Parextherm, you don't just get an external wall insulation system - you get a complete suite of services designed to deliver certainty, efficiency, and value from start to finish.



## DATASHEETS

Technical and Safety Datasheets are available for all products within the Sika range.

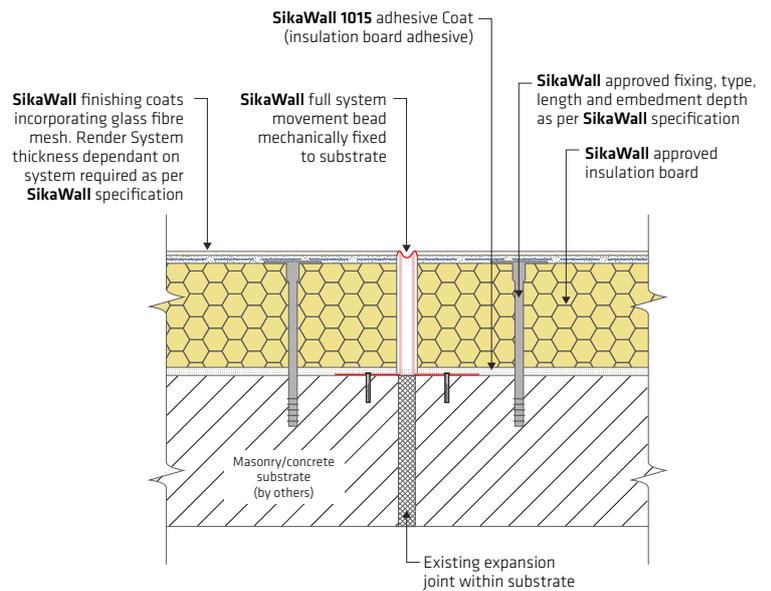
Visit [sika.co.uk/buildingfinishing](http://sika.co.uk/buildingfinishing) to download or speak to your Specification Manager.



## CONSTRUCTION DETAILS

We have a suite of standard construction details covering a wide range of Standard and Non-Standard substrates and systems.

We can also create project specific, bespoke construction details when required, by our in-house technicians.



# SPECIFICATION JOURNEY



## INITIAL ENQUIRY

Contact made between Project Leader and Sika



## FACT FINDING

Thermal and fire performance of current building substrate analysed



## DESIGN TEAM MEETINGS

Regular communication between Sika and design teams to resolve any issues prior to work commencing



## SPECIFICATION CREATED

Developed to suit strict project requirements



## REGISTERED CONTRACTOR

Recommending the most suitable contractor for the project



## PRE-START MEETING

Carried out on site with key project stakeholders



## SITE MONITORING

Regular site visits to ensure proper application and provide further technical support



## POST INSTALLATION INSPECTION

Completed project is inspected and warranty issued if requested

# EXCEEDING YOUR EXPECTATIONS FROM START TO FINISH

**OUR SPECIFICATIONS.** Trust the highly experienced team to develop a comprehensive specification, bespoke to the thermal and fire performance, and U-Value condensation analysis.

- NBS specification to suit project requirements
- Product and material data sheets
- Construction details - full suite of standard details provided, plus bespoke construction details on request
- U-Value calculations and condensation risk analysis available as required
- Mechanical fixing pattern diagram



# ALSO AVAILABLE WITHIN THE SIKA BUILDING FINISHING RANGE



**MINERAL RENDERS**



**BASE COATS**



**LIME RENDERS**



**TOP COATS**



**POINTING MORTARS**



**COMPLEMENTARY  
PRODUCTS**



## LOOKING FOR MORE?

Visit our dedicated Training Centre in Wishaw, Scotland, for an in-depth look into our Building Finishing offer. Our team of industry experts are available to deliver dedicated training courses around EWI, Mineral Renders, and Pointing Mortars, in a blend of classroom based and hands-on learning.

### SIKA LIMITED

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**Sika Limited** is part of the global **Sika Group**, specialising in the manufacture and supply of chemical-based products. In the UK, Sika has manufacturing sites in Welwyn Garden City, Preston, Leeds, Wishaw, and Redditch. Sika has subsidiaries in 102 countries around the world and manufactures in over 400+ factories.

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**BUILDING TRUST**

