



ENDURANCE

External Wall Insulation Systems

INDUSTRY LEADING DURABILITY



ENDURANCE SYSTEMS

Indestructible facade systems achieving superior impact resistance.

By far the most robust EWI systems available on the market, Soltherm Endurance EWI systems offer industry leading durability and impact resistance.

Our Endurance range of tested & approved systems utilise A1 non-combustible mineral wool or EPS insulation, paired with specially developed basecoats and a silicone render finish to achieve unrivalled impact resistance up to 138j!

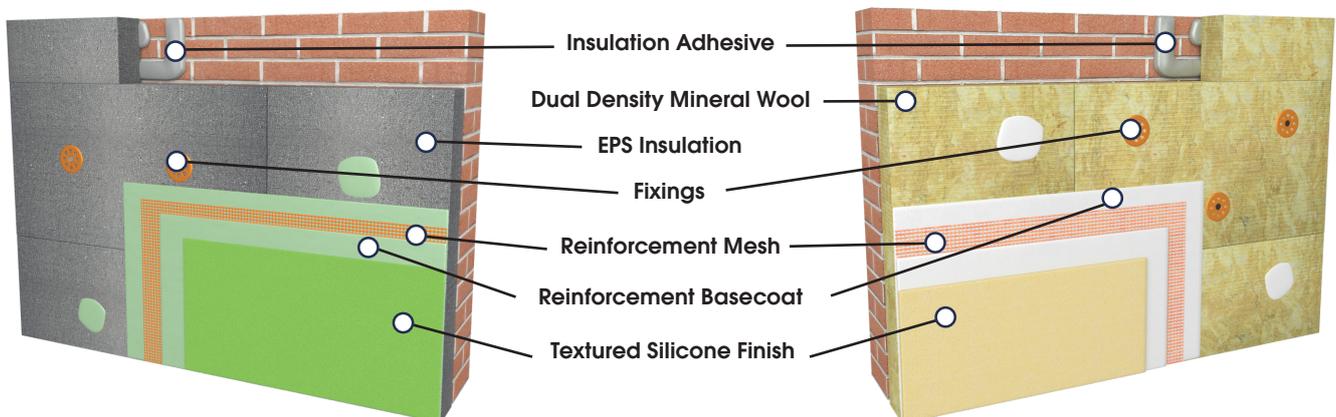
All systems have low water absorbency, which protects against the penetration of wind-driven rain, dirt and destructive chemicals within the atmosphere, also preventing failure from freeze-thaw.

Of equal importance is vapour permeability and durability, allowing the systems to breathe whilst protecting the system from day to day damage with an extremely high level of impact resistance offered.

All systems contain encapsulated biocides within the silicone render finish, preventing the growth of algae and mould for longer periods than standard biocides and without affecting other technical performance parameters. This has been proven and demonstrated in Soltherm's on-site R&D centre, ensuring the paints and renders that arrive on your project are perfect for the environment they are to be used within.

ENDURANCE P

ENDURANCE W



Insulation Adhesive

The Endurance system range specifies both insulation adhesive and mechanical fixings. This ensures a better true-life fire performance as well as long life structural integrity and higher resistance to wind loads.

EPS Insulation

Graphite-enhanced (grey) EPS insulation boards with thermal conductivity coefficient 0.031 W/mK.

Dual Density Mineral Wool

A1 non-combustible insulation utilising two different densities, providing improved impact resistance and thermal performance.

Mechanical Fixings

Only European Technically Approved mechanical fixings are utilised, offering superior mechanical performance whilst limiting the thermal transfer to nearly zero.

Reinforcement Basecoat

Specially formulated basecoats provide increased adhesive strength, workability and impact resistance.

Reinforcement Mesh

Alkali resistant fibreglass mesh available in various densities and configurations, delivering increased flexibility and impact resistance.

Textured Silicone Finish

Pure silicone plaster offering the diverse colour, enhanced algae and fungal growth resistance, UV radiation resistance, lower water absorption and flexibility.

THE ENDURANCE RANGE

System	Insulation	Reinforcing Mesh	Impact Resistance	Fire Performance
Endurance P Silicone	EPS	Standard 158/S x 1	15 Joules	B-s2,d0
Endurance P HD Silicone		Standard 158/S x 2	44 joules	
Endurance P+ Silicone		Reinforced 335/P + Standard 158/S	138 joules	
Endurance W Silicone	MW	Standard 158/S x 1	36 joules	A2-s1,d0
Endurance W HD Silicone		Standard 158/S x 2	41 joules	
Endurance W+ Silicone		Reinforced 335/P + Standard 158/S	79 joules	

SOLTHERM 4SEASONS

This is an additive that can be added to silicone finishes, providing enhanced wash off capabilities whilst also allowing the material to be applied at lower temperatures.



SOLTHERM STC-P

A silicone paint specifically designed use with Soltherm EWI systems. The paint has been devised to provide a coating to Soltherm EWI systems when they are looking tired. The paint will return the system to its initial vibrance, by using breathable and hydrophobic technology reinstating all the technical properties, further prolonging the effective life of the system and producing long lasting colours.





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