

BALANCE

Approved by SOLTHERM

Mechanically fixed External Wall Insulation Systems

Economic solution for low rise



BALANCE SYSTEMS

Economical EWI solutions ideally suited for low rise refurbishment projects.

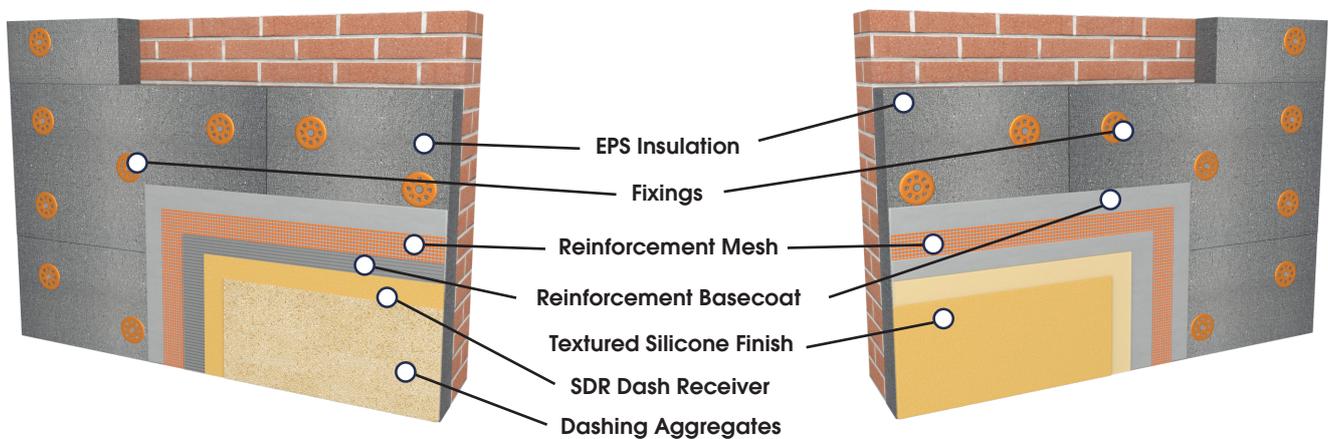
Soltherm introduce a range of purely mechanically fixed EWI systems which provides a cost-effective solution without compromise on durability and robustness. Our Balance range of tested and approved systems utilise A1 non-combustible mineral wool or EPS insulation options. The mineral wool based systems (Balance Safe) achieve industry leading fire ratings of A1 (Dashing Render) and A2-s1, d0 (Silicone Render), whilst the EPS systems (Balance Home) provide a fire rating of B-s1, d0. Balance systems are available in a variety of finishes and colours, providing designers with unparalleled architectural freedom achieved with a diverse colour palette and multiple textures. 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 Balance Silicone 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.

BALANCE HOME DASH

BALANCE HOME SILICONE



EPS Insulation

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

Mechanical Fixings

ETA approved screw-in fixings with steel nails are used, offering superior mechanical performance. Stainless steel fire fixings are also required above second storey and are to be installed through the reinforcing mesh coat. Stainless steel fire fixings are also required above second storey and to fix fire barriers as required. Stainless steel fire fixings are to be installed through the reinforcing mesh coat.

Soltherm UB

Cementitious basecoat designed to encapsulate the reinforcement mesh, providing the system with water resistivity, breathability and impact protection.

Soltherm Glass Fibre Mesh

An alkali resistant reinforcement mesh bedded into the basecoat providing increased flexibility, durability and impact resistance.

Textured Silicone Finish

Pure silicone textured silicone finish offering diverse colour choice, enhanced algae and fungal growth resistance, UV radiation resistance, lower water absorption and flexibility.

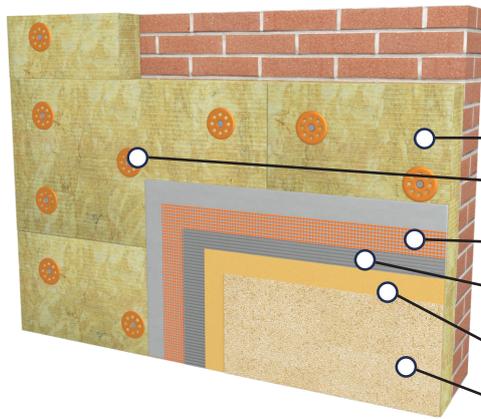
Soltherm SDR Dash Receiver

Polymer modified and through-coloured dash receiver to achieve a dry-dash finish.

Dashing Aggregates

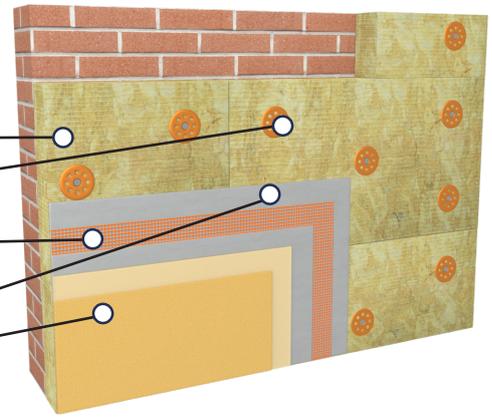
3-8mm dry dashing aggregate

BALANCE SAFE DASH



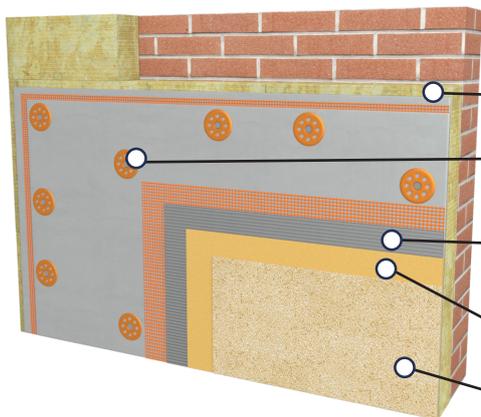
- Dual Density Mineral Wool
- Fixings
- Reinforcement Mesh
- Reinforcement Basecoat
- Textured Silicone Finish
- SDR Dash Receiver
- Dashing Aggregates

BALANCE SAFE SILICONE



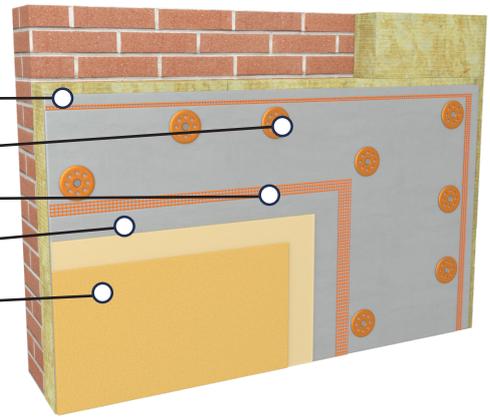
- Dual Density Mineral Wool
- Fixings
- Reinforcement Mesh
- Reinforcement Basecoat
- Textured Silicone Finish
- SDR Dash Receiver
- Dashing Aggregates

BALANCE SAFE HD DASH



- Dual Density Mineral Wool
- Fixings
- Reinforcement Mesh
- Reinforcement Basecoat
- Textured Silicone Finish
- SDR Dash Receiver
- Dashing Aggregates

BALANCE SAFE HD SILICONE



- Dual Density Mineral Wool
- Fixings
- Reinforcement Mesh
- Reinforcement Basecoat
- Textured Silicone Finish
- SDR Dash Receiver
- Dashing Aggregates

Dual Density Mineral Wool

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

Mechanical Fixings

ETA approved screw-in fixings with steel nails are used, offering superior mechanical performance. Stainless steel fire fixings are also required above second storey and are to be installed through the reinforcing mesh coat.

Soltherm MB

A1 basecoat designed to encapsulate the reinforcement mesh, providing the system with water resistivity, breathability and impact protection.

Soltherm Glass Fibre Mesh

An alkali resistant reinforcement mesh bedded into the basecoat providing increased flexibility, durability and impact resistance.

Textured Silicone Finish

Pure silicone textured silicone finish offering diverse colour choice, enhanced algae and fungal growth resistance, UV radiation resistance, lower water absorption and flexibility.

Soltherm SDR Dash Receiver

Polymer modified and through-coloured dash receiver to achieve a dry-dash finish.

Dashing Aggregates

3-8mm dry dashing aggregate

THE BALANCE RANGE

System	Insulation	Finish	Fire Performance	Description
Balance Home Dash	EPS	Soltherm SDR	B-s1, d0	Dash finish system ideal for low rise applications where a low cost & installer friendly system is desired.
Balance Home Silicone		Soltherm SFC-P 15 Soltherm SFC-P 20	B-s1, d0	Silicone finish system ideal for low rise applications where a low cost & installer friendly system is desired.
Balance Safe Dash	MW	Soltherm SDR	A1	Dash finish system ideal for low rise applications where improved fire performance is desired.
Balance Safe HD Dash		Soltherm SDR	A1	Dash finish system ideal for higher wind load applications due to its double-mesh fixing technology.
Balance Safe Silicone		Soltherm SFC-P 15 Soltherm SFC-P 20	A2-s1, d0	Silicone finish system ideal for low rise applications where improved fire performance is desired.
Balance Safe HD Silicone		Soltherm SFC-P 15 Soltherm SFC-P 20	A2-s1, d0	Silicone finish system ideal for higher wind load applications due to its double-mesh fixing technology.

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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