

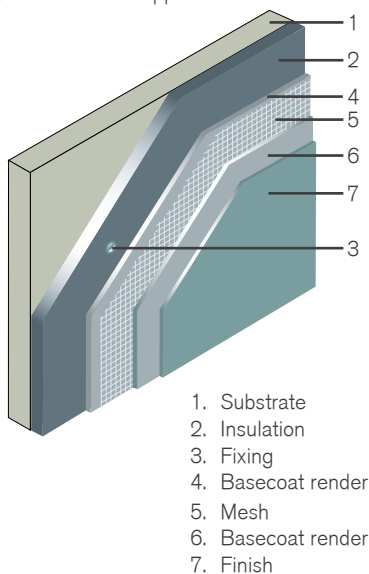
External Wall Insulation Thin Coat System - NSC2 - Low Rise Applications

External Wall Insulation



Diagram 1

Thin Coat System - NSC2 - sequence of layers for low rise applications



Characteristics

The system uses a thin build up of high polymer modified basecoat render, with glass fibre mesh embedded within to create a finish ready to receive a variety of decorative finishes.

Benefits

- Fast installation
- High thermal efficiency
- Excellent level of impact resistance
- Vapour permeable
- Flexible choice of final texture, colour and effect

Insulants

Insulants available are:

- Expanded Polystyrene (EPS)
- Enhanced EPS
- Mineral Wool
- Polyisocyanurate (PIR)
- Phenolic

All insulants are available as rigid boards in standard sizes of 1200 x 600mm and in a range of thicknesses typically in increments of 10mm.

Fixings

Selected proprietary insulation fixings nominally at the rate of 6-8 per m². Fixing type is dependant on existing substrate.

Basecoat Render - First Layer

First layer of high polymer modified basecoat render incorporating lightweight aggregates and reinforcing polyester fibres applied to a thickness of 2-3mm.

Mesh

Glass fibre reinforcing mesh in roll form, embedded into first layer of basecoat render.

Basecoat Render - Second Layer

In addition to the initial 2-3mm skim coat, a second layer of basecoat render is applied over the mesh to a final thickness of 4-6mm.

Accessories

A wide range of bellcast, capping, bead and joint profiles are available in aluminium, polyester powder coated galvanised steel, stainless steel and PVCu to suit requirements.

Finishes

- Acrylic or Silicone
- Dash Aggregate
- Brick Effect Render
- Acrylic Brick Slips

Areas Of Application

Struchterm NSC2 Low Rise systems are suitable for any of the following provided that the substrate is structurally sound:



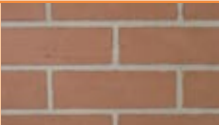

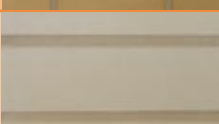


1. Refurbishment of low rise social housing
2. Refurbishment of private housing
3. New build projects
4. Buildings up to 18m high



Agrément Certificate
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Product Sheet 4

Finishes

To complete the NSC2 low rise system, choose one of the following finishes:

Contemporary	
Acrylic ✓	
Silicone ✓	
Traditional	
Brick Effect ✓	
Stone Effect ✓	
Ashlar Effect ✓	
Dash Receiver & Aggregates ✓	
Acrylic Brick Slips ✓	

For more details, please see our **Renders & Finishes Datasheets**.

Basecoat Render Application Procedures

The notes below are intended to give general guidance on the application of a basecoat render.

1. To prevent the appearance of efflorescence, do not render in cold, damp weather. Do not allow downpipes, sills and scaffolding to throw water onto setting render. Protect render from rain for at least 48 hours after application.
2. Where possible, application on individual wall surfaces should be completed in one operation. Where this is not practical, the location of day work joints should be agreed with the architect.
3. The basecoat, should be applied with a hawk and trowel using the normal method.
4. A darby float or straight edge must be used to ensure that the finishing coat (or coats) is applied to a uniformly levelled surface.
5. Allow 24 hours curing time before application of finishing coats.
6. Work must NOT be carried out in temperatures less than 5°C or more than 35°C.
7. During hot weather, it is recommended that work is started on the shady side of the building and continued round following the sun.
8. Drying conditions will vary according to wind, temperature and humidity.
9. Always protect window frames, quoins, etc.

For further advice call our technical department on 01484 850098.



Social Housing Refurbishment Project: Thin Coat EWI System with Brick Effect Finish to Ground Floor & Acrylic Finish to First Floor



Residential Newbuild Project: Thin Coat EWI System with Ashlar Effect Finish to Ground Floor

Struchtherm Ltd is part of the **Hanson-HeidelbergCement Group**

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