

META-SLATE PLUS ROOFING SYSTEM

Manufacturers of Cladding Products for the Construction Industry

INSULATED SLATE EFFECT ROOFING



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THE META-SLATE*PLUS* SYSTEM

The Meta-Slate*Plus* system is a combination of Steadmans Meta-Slate roofing sheets fixed to AS35 insulated roofing panels.

Meta-Slate is a roofing sheet that has the appearance of natural slate but embodies the advantages of a modern lightweight but strong building material. Meta-Slate is manufactured from 0.7mm galvanised coil with a slate blue matt nova paint finish to the outer surface and a grey epoxy based primer to the inside.

The sheet is specially embossed with a regular slate pattern and finished to appear like natural slate. Other external colours and finishes are available by special order subject to quantity and coil availability. Meta-Slate is ideal for use in environmentally sensitive locations where box profile sheeting may not be acceptable to local authority planning departments. Meta-Slate is extremely easy to fit and boasts a beautifully simple secret fix joint system. Roofing sheets are available in lengths up to 6m.

AS35 insulated panels consist of two coated steel profiles bonded to a core of polyisocyanurate (PIR) insulation. The top profile is 0.5mm and the internal liner is 0.4mm.

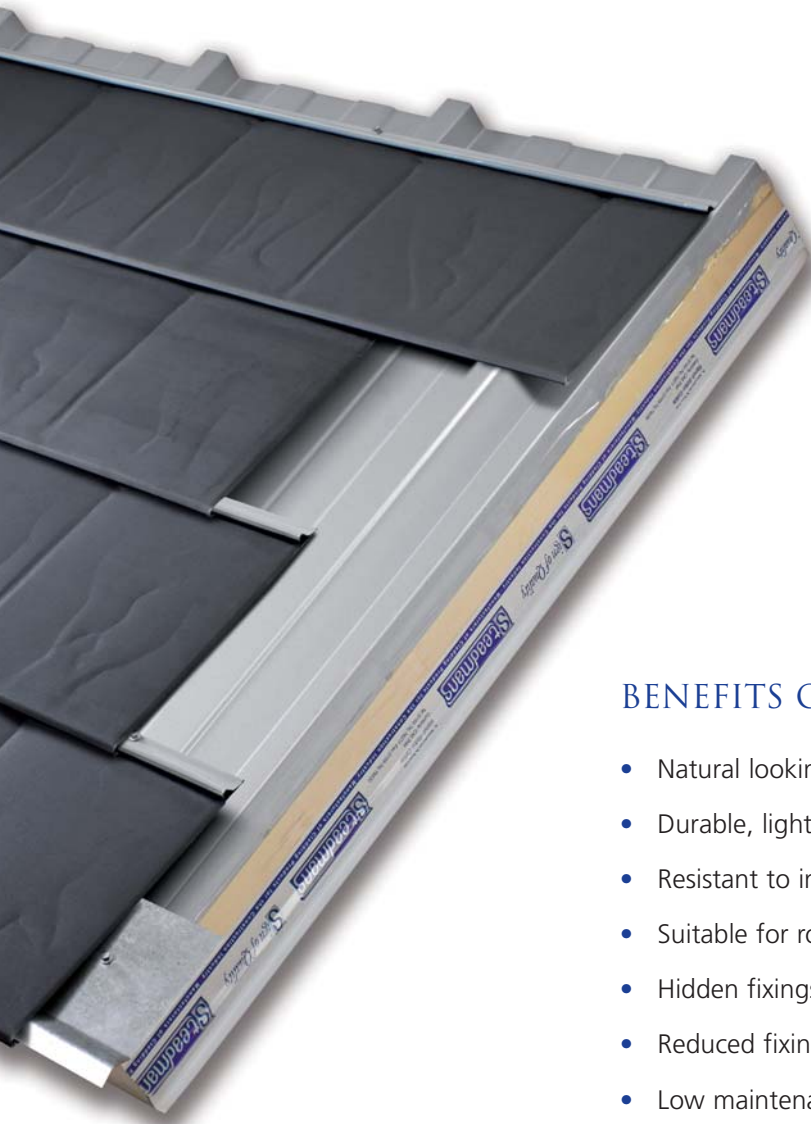
AS35 panels are available in lengths of 1.8m to 12m and in thicknesses of 40, 60, 70, 80, 90, 105, 115, 120 and 137mm.

Meta-Slate*Plus* is designed to provide a strong, rigid slate effect roof with good thermal performance down to a 10° pitch. The system includes a complete range of dry fix clips, jointing pieces, flashings, end closures, sealants and coated steel or plastic gutters and downpipes.

The Meta-Slate*Plus* system offers rapid coverage and swift secure completion to give a high performing weatherproof roof covering to any building.

BENEFITS OF THE META-SLATE*PLUS* SYSTEM

- Natural looking slate appearance with the robustness of steel
- Durable, lightweight, dry-fix system which is easy and quick to install
- Resistant to impact, high wind speed and storm damage
- Suitable for roof pitches of 10° and above
- Hidden fixings provide added security and weather protection
- Reduced fixings, timber rafters and environmental impact
- Low maintenance



PERFORMANCE, DESIGN & SITEWORK

Performance data, design guidance, and sitework instructions for the Meta-Slate slate effect roofing sheet and AS35 panel are contained in the 'Meta-Slate Roofing System' technical brochure and the 'AS35 Insulated Roof & Wall Panels' technical brochure.

These and all our other product brochures and manuals are available from Steadmans or as pdf downloads from our website 'www.steadmans.co.uk'.

An instructional fitting CD for Meta-Slate is also available from our sales department.

Fixing Meta-Slate roofing sheets over an AS35 insulated roofing panel

Once the AS35 has been securely fixed to the roof substructure in accordance with Steadmans installation instructions, the Meta-Slate roof sheets can be fixed in place.

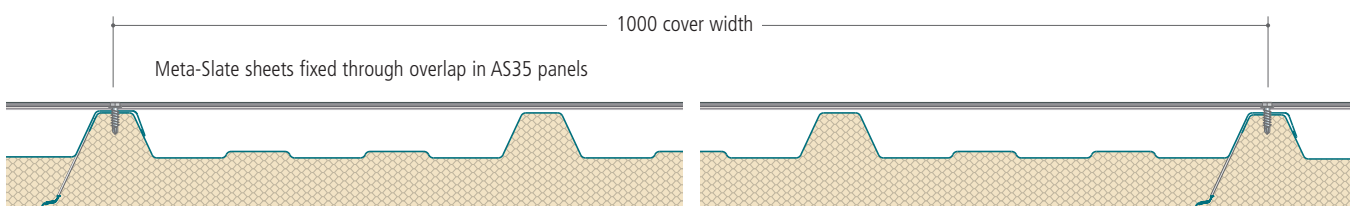
The installation of the Meta-Slate roof sheets over the AS35 panels is very similar to the installation over rafter/purlins. The roof sheets are fixed to the overlapping crown of the AS35 panel (see below) using 5.5mm x 25mm self-drilling screws.

The screws are fixed through the overlap between panels so that the screw is driven through two thicknesses of the metal top sheet (fixed at a maximum of one per metre of panel length). The frequency of fixing can be increased around the edges of the installation or where special detailing is required.



Above:
Telford House, Riverside View, Carlisle.
Meta-SlatePlus roofing system to a conversion of an existing building.

Below and right:
Carrwood Park, Leeds.
Meta-SlatePlus roofing system with barrel rooflights to a new building during and after installation with view from inside showing underside of AS35 panel.



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ENVIRONMENTAL CREDENTIALS

We recognise the need to manage the impact which our business and processes have on the environment. We believe we have a responsibility to contribute to the well-being of the communities we live in. We are committed to providing a clean, safe environment.

Developing sustainable construction methods presents a challenge to the whole construction industry. Our main raw material, steel, is eminently recyclable: 85 - 90% of steel from demolition goes for re-use and 40% of steel used in new construction has been recycled.

By using modern machinery and upgrading our facilities we are continually reducing the impact of our products on the environment, and improving their contribution to the long-term performance of buildings.

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