

EQC

Euro Quality Cladding

SEAMLOCK® / SEAMLOCKZINC®

Solutions for Metal Roof and Wall Systems



SEAMLOCK[®] SYSTEMS

Cost-effective, precision
manufactured standing
seam metal roofing
and cladding for all
residential applications.

- ▶ SEAMLOCK[®] WITH
COLORCOAT PRISMA[®]
AND COLORCOAT HPS200
ULTRA[®] BY TATA STEEL
- ▶ SEAMLOCKZINC[®] FEATURES
A ZINC PARTICLE COATING
ON ALUMINIUM SUBSTRATE

SEAMLOCK® SYSTEMS

EQC SEAMLOCK® SYSTEMS STANDING SEAM ROOFING AND CLADDING IS AN INNOVATION FROM EQC. A SUSTAINABLE PRE-FINISHED METAL ROOFING AND CLADDING SYSTEM DESIGNED FOR THE RESIDENTIAL AND COMMERCIAL MARKET.

EQC Seamlock® manufactured using 0.7mm Colorcoat® pre-finished steel, offers tried and tested material perfectly suited for a wide range of building applications. High performance Colorcoat Prisma® and Colorcoat HPS200 Ultra® pre-finished steel by Tata Steel is available in a choice of colours, offering interesting visual alternatives to traditional copper and lead standing seam roof systems. Colours include naturally inspired blends, sympathetic to the urban landscape, ensuring harmonious integration with the surrounding environment.

Complete peace of mind can also be achieved with Colorcoat Prisma® and Colorcoat HPS200 Ultra® both offering the Tata Steel Confidex® Home Guarantee for residential dwellings and Confidex® Guarantee for Commercial and Industrial buildings.

SeamlockZinc® features zinc particles incorporated into a durable coating which is specifically designed as an aesthetic option to naturally weather in a similar way to zinc, rather than retaining a fixed colour. Prevailing conditions produce different rates of tonal change delivering the aesthetic benefits of a “live” material. The advance coating system is applied over 0.9mm aluminium substrate which provides a lightweight, durable and cost-effective alternative to traditional zinc.

EQC Seamlock is also available in 0.9mm PVDF coated Aluminium in a range of colours. Contact EQC for more information.

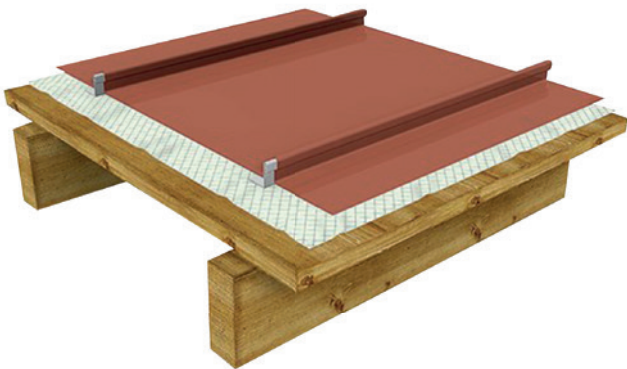
Seamlock® is a fully supported standing seam system, designed, manufactured and CE Marked in accordance with BS EN 14783:2013.

Manufactured at our works in Naas, Co. Kildare, EQC Seamlock® profile and accessories are produced to the highest quality and are delivered directly to site.



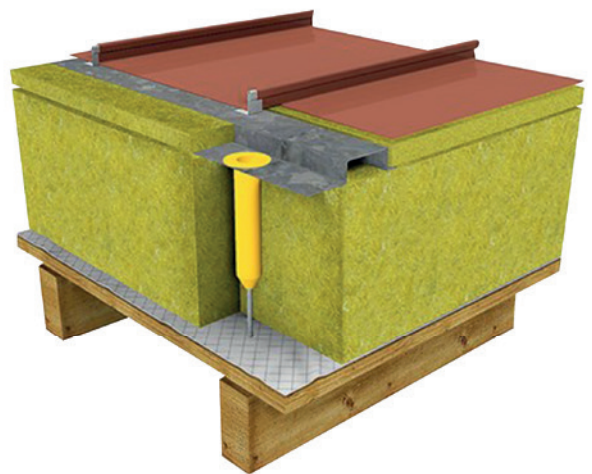


APPLICATIONS



COLD ROOF APPLICATION

The vented cold roof system has been specifically designed for use on pitched roofs and is suitable for use on timber construction that is used in the majority of residential projects.



WARM ROOF APPLICATION

The warm roof system embraces the fundamentals of modern metal roofing with inherent thermal and acoustic performance provided by RocSlab mineral wool insulation, whilst the outer sheet provides the look of a traditional metal pitched roof.



THERMAL PERFORMANCE

With ever-increasing demands for reductions in energy consumption and lower carbon emissions, there can be comfort in the knowledge that Seamlock® Systems can adapt to achieve the most challenging U-values.

Seamlock® warm roof features mineral wool RocSlab insulation that can achieve U-values as low as 0.15W/m²K using 240mm of insulation. The rigid insulation and RocSlab fixing system eliminates any cold bridging that may occur with traditional spacer systems.

Seamlock® cold and warm roof systems can help achieve revised building regulations Part L requirements, excellent air tightness and compliance with Part F ventilation requirements.



SUSTAINABILITY

Sustainable design requires specifying products that offer long-term performance. The super durable properties of Colorcoat HPS200 Ultra® and Colorcoat Prisma® are unsurpassed in the industry and are backed by the Confidex® Home Guarantee for residential dwellings upon online registration or the Confidex® Guarantee for the weatherside of Industrial and Commercial buildings.



RAIN NOISE

Noise generated by rain landing on a roof can be an obtrusive issue for building occupiers; a problem that is even more acute in certain buildings, such as houses, hotels or schools. When tested in accordance with ISO 140 18:2006 Under "Heavy" Rainfall Type, a typical Seamlock® warm roof system reduced rain noise to just 46dB LiA.



SOUND REDUCTION

In the case of Seamlock® sound reduction is considered alongside thermal insulation and the two elements generally complement each other. Seamlock® warm roof system provides outstanding sound reduction typically achieving a Sound Reduction Index (SRI) of 46dB.



ENVIRONMENTAL PRODUCT DECLARATIONS

EN 15804 and ISO 14025 compliant Environmental Product Declarations for both Colorcoat Prisma® and Colorcoat HPS200 Ultra® have been published by Tata Steel. These third party verified documents help specifiers to achieve client sustainability requirements, as these product-specific EPDs provide more points in sustainability certification schemes such as BREEAM & LEED.



RESPONSIBLE SOURCING

All Colorcoat® products are certified to the Building Research Establishment's standard for responsible sourcing of materials BES 6001. This reinforces Tata Steel's commitment to sustainability.

Parameters

WHETHER SEAMLOCK® IS PRODUCED AT EQC'S EXTENSIVE MANUFACTURING FACILITY IN NAAS, CO. KILDARE OR MANUFACTURED ONSITE, A HIGH QUALITY PRODUCT WITH COMPREHENSIVE TECHNICAL SUPPORT CAN BE ASSURED.

As part of its commitment to quality, service and the environment, EQC operates a Quality Management System approved to BS EN ISO 9001:2008 and an Environmental Management System approved to BS EN ISO 14001:2004.

The quality of material and manufacture provides peace of mind and the long sheets combined with straightforward fixing offer a quick installation.

As with all long strip roofing systems, a natural deflection in the pan may occur and is a feature of the product. The sheet will have a tendency to follow the substructure and surface to which it is installed.

Colorcoat® pre-finished steel products made in the UK are certified to BES 6001 Responsible Sourcing Standard.

CURVED ROOFS

Minimum self-curve radius convex 15m, minimum self-curve radius concave 15m.

Cover width of curve sheets 225mm minimum, and 517mm maximum. Minimum 2m length.

Seamlock® can be machine curved to a radius of approximately 2m in 0.7mm steel and 0.9m in aluminium (convex only).

The curving adds an extra dimension to the potential of any roof and provides a great deal of flexibility to the designer.

TAPERS

Maximum cover width 517mm, minimum cover width 200mm.

To achieve complex curved on plan designs, manufactured tapered sheets are available up to 6m long delivered (minimum 2m length).

Liquid applied membranes are the weld-free method of adding external details to roofs and walls, providing a true watertight seal for a wide range of details, including soakers and openings. They are applied onsite by qualified, skilled and recommended engineers and are available in colours to match the roof material.

WALL APPLICATION

Although developed for roof application to provide an engineered, cost-effective alternative to traditional roofing, Seamlock® can also be applied to a wall as a cladding in horizontal, vertical or even diagonal orientation.

SEAMLOCK® PRODUCT PARAMETERS

	PARAMETER	STEEL	ALUMINIUM
1	STANDARD COVER WIDTH	454MM	454MM
2	MINIMUM STRAIGHT SHEET LENGTH	250MM	250MM
3	MAXIMUM SHEET LENGTH	13M DELIVERED 20M SITE ROLLED	13M DELIVERED 20M SITE ROLLED
4	MINIMUM RECOMMENDED DESIGN PITCH	5°*	2.5°
5	STANDING SEAM HEIGHT	27MM	27MM

* Please contact EQC for further parameters

ABOUT COLORCOAT®

COLORCOAT® PRE-FINISHED STEEL OFFERS TRIED AND TESTED MATERIAL PERFECTLY SUITED FOR A WIDE RANGE OF BUILDING ENVELOPE APPLICATIONS.

High performance Colorcoat HPS200 Ultra® provides super durable performance and corrosion resistance for even the most demanding of building environments, whilst three layer Colorcoat Prisma® offers endless design possibilities with a contemporary colour range, enhanced aesthetics and exceptional UV performance.

Both Colorcoat HPS200 Ultra® and Colorcoat Prisma® are manufactured in the UK by Tata Steel and are fully REACH compliant and free of chromates.



CONFIDEX® GUARANTEE FOR INDUSTRIAL AND COMMERCIAL BUILDINGS

The Confidex® Guarantee offers the most comprehensive pre-finished steel guarantee for the weatherside of industrial and commercial buildings. Available with Colorcoat HPS200 Ultra® and ColorcoatPrisma® for up to 40 years, the Confidex® Guarantee covers factory cut edges and does not require any inspection and maintenance to validate the guarantee. This is offered direct from Tata Steel to the building owner upon registration via an online registration form.



CONFIDEX® HOME GUARANTEE FOR RESIDENTIAL BUILDINGS

The Confidex® Home Guarantee is available when using Colorcoat HPS200 Ultra® or Colorcoat Prisma® with a Seamlock® or Seamlap® roof or wall cladding system for a residential building in the UK and Ireland. The guarantee is 25 years regardless of environment, location, colour and distance to the coast - but is only valid when either Colorcoat HPS200® or Colorcoat Prisma® is specified, and on roof pitches down to a minimum of 5 degrees. This is offered directly to the home owner from Tata Steel upon registration via a quick and simple online registration process.



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EQC is a supply chain partner of Tata Steel.