

TATA STEEL



Colorcoat Urban®
The choice you'll be glad you made





WHY CHOOSE COLORCOAT URBAN®?

The choice you'll be glad you made.

Tata Steel understands that truly sustainable kerb appeal comes from excellent aesthetics, performance, and eco-credentials.

Colorcoat Urban® is the sustainable product of choice for the urban building.

Product benefits:

- Matt colour range specifically designed for the urban fabric.
- Stable colour ensures an aesthetic of consistent, even shade.
- BBA certified in excess of 40 years.
- Quick fit system, for reduced on site fixing times.
- Can be laid vertically down to a pitch of <math><5^\circ</math>.
- Eco-designed to remove environmentally harmful elements and deliver the lowest impact without reducing performance.
- 100% recyclable.
- Compatible with rain water harvesting systems.
- Available in a range of roof and wall profiles.
- Simple integration of renewable technologies, helping achieve forthcoming legislation.
- Short lead-time on all standard orders.

CHOICE OF COLOUR

The naturally inspired colour range blends with the landscape to ensure a harmonious integration with the surroundings.



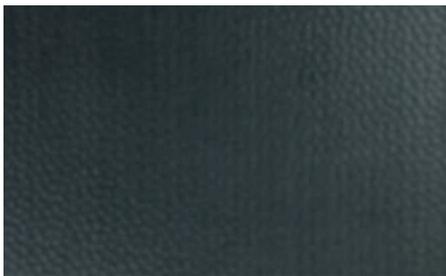
Winter Sky (RAL 7040)



Alaska (RAL 7000)



Merlin (BS 18B25)



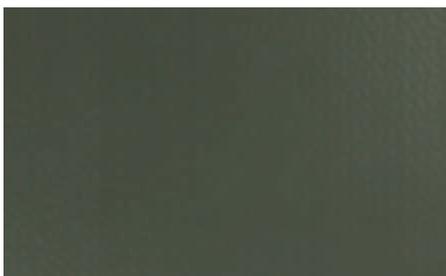
Anthracite (RAL 7016)



Oxidised (RAL 0502010)



Terracotta (BS 04C39)



Green Grey (RAL 1504010)



Patina (RAL 1807025)

Note:

Hand sample and panel sample requests are available online at www.colorcoaturban.com or via the Colorcoat Urban® helpline on +44 (0) 1244 892449.

British Standard colour references from BS card BS5252F.

4 digit RAL references from RAL Classic card.

7 digit RAL references from RAL Design card.

References are for guidance only, where an exact match is unavailable the closest reference is given.

Urban fabric

The Colorcoat Urban® colour range has been inspired by architects specifically for the urban environment.

As such they partner harmoniously with existing buildings and building envelope materials, including glass, wood, brick, stone and render.

Matt shades

The tonal colour range of the matt shades have been carefully selected.

The ability to achieve a stable colour ensures a consistent even shade, which is unachievable for most other roofing materials.

Specification

To secure the peace of mind that comes from a rigorously manufactured and tested product from Tata Steel.

Please ensure Colorcoat® as well as the individual product and colour name are specified e.g. "Tata Steel Colorcoat Urban® Patina".

PERFORMANCE AND SERVICE

Peace of mind comes from over 40 years of experience and development, backed up by rigorous laboratory and real world testing. Short lead time service is assured in order quantities that suit large, small or phase build developments.

Peace of mind

The long-term performance of Colorcoat® pre-finished steel has been recognised by the BBA who state that the “coating and metal treatment will protect for a period in excess of 40 years in normal urban, suburban and rural environments.”

Colorcoat Urban® has been developed to require little to no maintenance to provide complete peace of mind.



Durability

The durability of Colorcoat Urban® is derived from its metallic coated substrate and the high performing three paint coat system, all brought together in a carefully controlled, ISO 9001 approved manufacturing process, to deliver the very best quality and performance.



Fire performance

Reaction to fire

Colorcoat Urban® meets the Class 0 requirements of the Building Regulations for the UK.

Resistance to fire

Colorcoat Urban® when used as part of a roof cladding system, can achieve a class AA performance rating, when tested to BS 476 part 3 1958.

Designed to perform

Colorcoat Urban® has been put through a rigorous laboratory and real world testing programme to validate its performance in different conditions.

The superior performance of Colorcoat® has been successfully proven on thousands of buildings worldwide.

Coating attributes

Tata Steel has worked closely with the leading paint companies to develop the most advanced and unique pre-treatment, primer and top-coat formulation for Colorcoat Urban®.

The thickness of the coating provides superior robustness and is highly flexible to avoid damage during fabrication and installation.

The unique coating formulation uses special pigments to provide superior UV resistance and ensure the product retains its distinguished matt colour. These also contribute to the long-term durability of the product.

At the end of its life Colorcoat Urban® can easily be recycled with no additional burden to the environment.



Small order quantities

Colorcoat Urban® have been set up to handle residential, small commercial and public buildings.

Short lead-time delivery

2 week lead time on all standard orders*.

Standard dimensions

The standard panel width of Colorcoat Urban® is 514mm, with narrower 300mm panels used for roofs in high wind velocity areas and roofs laid above 4 storeys. The minimum width for an end panel is 200mm and the maximum length of the Urban Seam® profile is 12.5m.

Note:

*Standard colour range and material gauge, slit from a standard width parent coil.

SUSTAINABILITY

Colorcoat Urban® - the choice for sustainable roofing.



This Level 4 home in Ebbw Vale shares passive house principals, reducing energy consumption and illustrating the simple integration of solar technology.

Colorcoat Urban® has been developed using eco-design principles, aimed at minimising the environmental impact of the product from raw material production all the way through to re-use or recycling.

Eco design

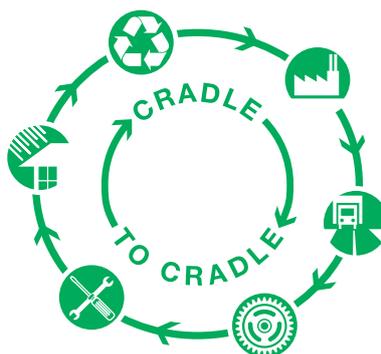
The focus for Colorcoat Urban® has been on using raw materials with a lower environmental impact than required by legislation. As such heavy metals and unnecessary fire retardants have not been used in the topcoat. We have also selected high performing alternatives to undesirable organotin stabilisers and phthalate plasticisers.

The steel used in Colorcoat Urban® is 100% recyclable with zero degradation in materials properties when recycled – unlike nearly all of the other construction materials. It also contains more than 25% recycled steel content. All manufacturing processes are carefully controlled to the highest environmental quality standards and are ISO 14001 certified.

All paint solvents are recycled through an incineration system to provide heat for the ovens and reduce the amount of natural gas used in the advanced curing process. Tata Steel are also the first steel business to secure BES 6001 Responsible Sourcing certification, and this has been obtained for all Colorcoat® products.

Cradle to Cradle

Tata Steel has carefully measured the impacts of a Colorcoat Urban® pre-finished steel cladding system throughout its life from cradle to cradle.



This information is used by Tata Steel to identify its carbon footprint and assess any other major impacts of the cladding system. This demonstrates it has a carbon footprint that is more than 3x lower than some of the leading eco-designed urban roofing products.

BRE Green Guide - 'A+ Rated'

Steel systems are rated 'A+' in the BRE green guide.

Future-proofed

Intended to assist the designer in meeting even the most stringent of future legislation requirements, Colorcoat Urban® allows for the simple integration of photovoltaics, solar thermal and/or passive solar heat collection roofs.

Compatible with rain water harvesting systems

Suitable for rainwater collection, this inspires confidence to broaden the number of uses for collected water, for example clothes washing. This helps towards delivering the Code for Sustainable Homes Level 6 target for potable water consumption of 80 l/p/d.

Lightweight

Approximately 7x lighter than current roof tiles means reduced transport and easier handling. Less lorries is good for the environment, lower cost and considerate to the local community.

Cool roof

Special properties of the roofing material reflect the heat away from the building, providing the primary solution to urban 'heat island' effect.



AESTHETICS AND FORM

Choosing the right profile for Colorcoat Urban® is crucial, particularly in relation to the size of the building. For 1-4 storey urban roofs the small standing seam, either traditionally formed or using the innovative Urban Seam® profile, is ideal for creating a fantastic modern aesthetic.

Urban roofs

Traditionally formed or Urban Seam® standing seam profile are the ideal choice for low rise and residential roofs. The roofs are finished with crisp, neat detailing to a scale that is suitable to the building size.

The profiles are applicable over a substructure of a fully boarded out truss, SIPs and fully boarded out metal frame construction.

Examples of building typographies include 1-4 storey houses, low rise apartments, 1-4 storey public and commercial buildings, schools and sports pavilions.

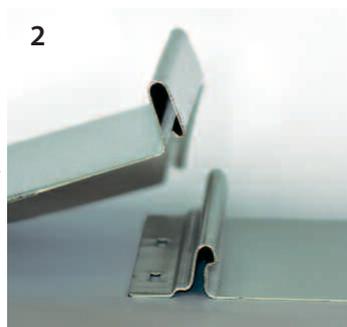
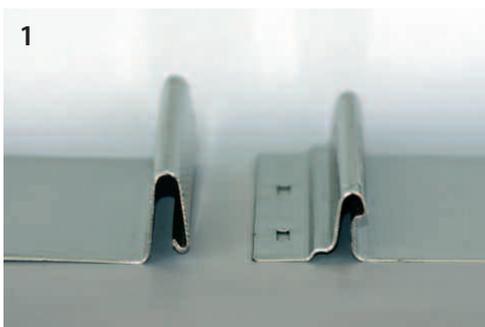
Large urban roofs

A range of popular insulated and un-insulated profiled systems including standing seam and concealed fix are available.

Examples of building typographies include apartments, schools, public buildings, and offices.

Refurbishment and renovation

Colorcoat Urban® is also the ideal choice for refurbishment and over roofing, due to its inherent light weight and strength.



25mm high Urban Seam® Profile, with integrated eyelet hole fixing strip



BUILD UP

Colorcoat Urban® can be applied to a substrate of either 18mm ply or alternatively a SIP Panel. Additional foam will increase the thermal insulation of the build, and with sufficient insulation, a ventilation detail would not be required.

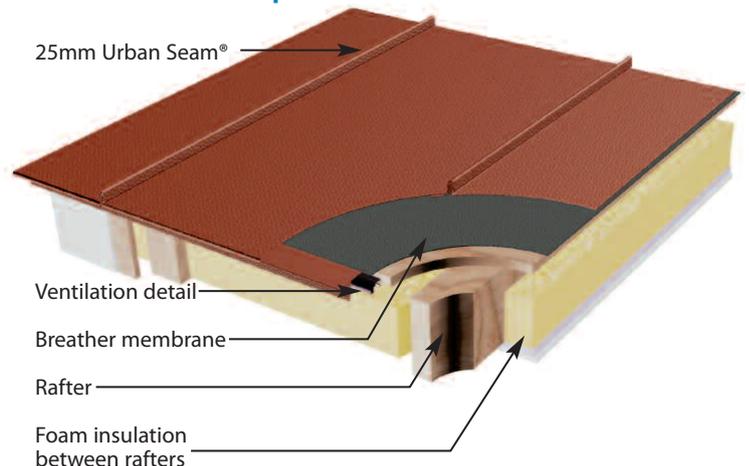
Warm roof build-up

25mm Urban Seam®



Cold roof build-up

25mm Urban Seam®





PROJECTS

Colorcoat Urban® have now completed over 100 projects across the UK ranging from low pitched flat roof extensions to eco housing estates.

To see more images go to the case study section of the website www.colorcoaturban.com





From beautiful roof and wall detailing to sustainable water harvesting and Photovoltaic Integration. Colorcoat Urban® have an attractive solution to current and future consumer needs.





DETAILING

Neat detailing is what clients have come to expect from Colorcoat Urban®. Be it the standard panels, tailored panels, wall plank detailing or hidden gutters, Colorcoat Urban® provide a neat crisp finish every time.





Standard detailing such as the Verge, Ridge and Eave have all been designed to ensure an enviable aesthetic. The design allows for the simple integration of roof lights and SVPs, and the overall aesthetic of the build can be enhanced with colour matched soffit and fascia detailing.



www.colorcoaturban.com

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Language English 0312

