



Corus Colors

Colorcoat[®]

Pre-finished steel products and services for the building envelope





Corus in construction

With a world class reputation in steel, Corus products and services are widely used in the construction market. Over the last 40 years steel usage has increased significantly and it is now established as the material of choice for many construction projects.

Corus is able to offer a wide range of products, systems and services specifically developed for the construction market. These include Colorcoat® pre-finished steel products

and roof and wall cladding systems for the envelope, hot rolled and tubular sections for the primary structure, lintels, light steel framing and specialist services such as fire engineering.



The Colorcoat® brand

The internationally recognised Colorcoat® brand provides the benchmark to which all others aspire



Colorcoat® offers a range of pre-finished steel products and services including expert advice and guidance covering all aspects of metal envelope design, specification and construction.

Products

Colorcoat® products have been developed specifically to support the aesthetic and functional requirements of modern architecture. The brand includes pre-finished steel products with unique coating formulations offering long-term performance and the most comprehensive guarantees available.

Services

Colorcoat® includes a range of services including guarantees, colour consultancy, prototype

facilities and expert advice and guidance built up over 40 years. These support the extensive product range and are readily available.

Partnerships

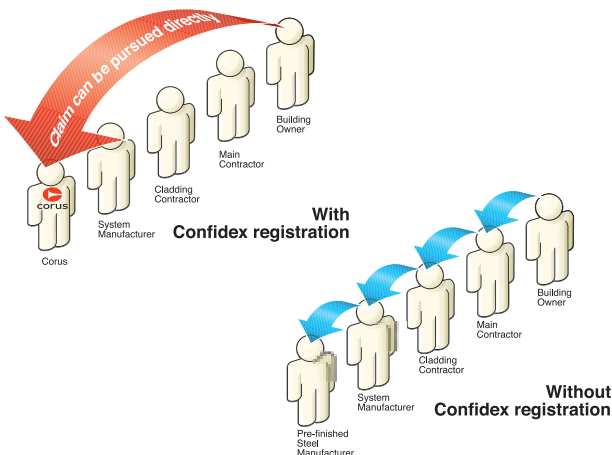
Colorcoat® products are delivered to the market through the leading cladding system manufacturers in the UK and Ireland. Corus has also developed relationships with a number of leading architectural schools and has invested in a centre for building envelope research to support the market.

Confidex® Guarantee

Confidex® offers the most comprehensive guarantee for pre-finished steel products in Europe and provides complete peace of mind for up to 30 years.

Unlike other guarantees, Confidex® covers cut edges for the entirety of the guarantee period and does not require mandatory annual inspections.

Available with Colorcoat HPS200®, Colorcoat Prisma® and Colorcoat Celestia®, Confidex® is simple to register and is offered directly to the building owner.



Ashburton Park Trafford Park, Manchester



The level of support and service offered by Corus is the main reason behind Hamilton Associates continued specification of Colorcoat® products. Commissioned to develop commercial units on the Trafford Industrial Park, a

century old complex, Hamilton Associates specified Colorcoat HPS200® because it comes with the market leading Confidex® Guarantee, only offered by Corus.

“Colorcoat HPS200® is backed up by the Confidex® Guarantee, and the peace of mind that this brings to our clients is a major reason for the product specification.”

Colorcoat® supply chain



Over 40 years, Corus has developed close strategic relationships with a small number of market leading roof and wall cladding system manufacturers.

Specifying Colorcoat® products through one of these strategic partners ensures access to the very best technical guidance, quick availability and the highest levels of quality and service.

Together we can provide a quality building envelope solution that delivers peace of mind.



Working together to deliver Part L (2006) compliance.

Corus has worked closely with CA Group, Corus Panels and Profiles and Euroclad to prepare for the changes to Part L (2006) building regulations. This has involved developing a

consistent approach, testing all systems for airtightness and sharing best practice on thermal modelling of details. Corus along with each of these strategic partners are fully prepared for the change in Part L regulations in April 2006 and have the data and details developed to demonstrate compliance.

Colorcoat HPS200®

Europe's most specified pre-finished steel for roof and wall cladding.

Maintenance free, Colorcoat HPS200® offers the ultimate in durability and performance. All this is backed up by the

comprehensive Confidex® Guarantee, providing cover and peace of mind for up to 30 years on roof and walls.

Colorcoat HPS200® is the clear leader for outstanding performance every time.

University of Portsmouth Nuffield Sports Centre

Colorcoat HPS200® pre-finished steel in white and hamlet has been specified for the new Nuffield Sports Centre in Portsmouth. Due to the building's proximity to the sea, the pre-finished steel for the exterior cladding needed to be able to withstand the harsh salt air. Colorcoat HPS200® with its

unique coating formulation and Galvalloy® substrate was the perfect choice. Developed to provide the ultimate in durability and corrosion resistance, even at cut edges, Colorcoat HPS200® performs well in harsh coastal conditions. This track record together with the comprehensive Confidex® Guarantee that Colorcoat HPS200® comes with, gave the building owners complete peace of mind.



Colorcoat Prisma[®]

Technically and aesthetically superior to PVDF (Pvf2), Colorcoat Prisma[®] is available in a range of standard and bespoke colours. All this is backed up by the comprehensive Confidex[®]

Guarantee, providing cover and peace of mind for up to 25 years.

Colorcoat Prisma[®] is the first choice for eye catching buildings that will stand the test of time.

Gazeley Project **Bedford**

Colorcoat Prisma[®] made its debut on a 41,000m² distribution centre at Marsh Leys in Bedford. Construction of the building forms part of a 170,000m² speculative development programme. Due to the high profile location of the centre, Gazeley Properties wanted a colour solution that would make the structure as visually appealing as possible and offer superior durability and

performance. Following discussions with Corus, via the Repertoire[®] colour consultancy, a solution was developed using Colorcoat Prisma[®]. In all, six bespoke complementary colours were specified for the building.

The cladding has been applied in horizontal bands, graduating from dark to light blue through the elevation. This approach,

using Colorcoat Prisma[®], reduces the mass of the large building, and when viewed from a distance, makes the top of the building appear to blend into the skyline.



Other Colorcoat® products



Colorcoat Celestia®

Offering the creative scope of a metallic effect combined with superior durability and performance, Colorcoat Celestia® is backed up by the comprehensive Confidex® Guarantee providing cover for up to 20 years. It is particularly suited to walling applications.

Colorcoat Armacor®

A high-build pre-finished steel product with a tough and attractive textured top-coat, Colorcoat Armacor® offers good performance at a competitive price. It is suitable for a wide range of roof and wall applications.



Colorcoat® PVDF

A thin solution coating product, Colorcoat® PVDF is available with a 15 year performance statement and offers good colour retention and stability. It is particularly suited to wall cladding.

Colorcoat® lining enamel

Developed specifically for the interior of built-up and composite roof and wall cladding systems, Colorcoat® lining enamel is supplied in white to ensure light reflectivity in the internal environment.

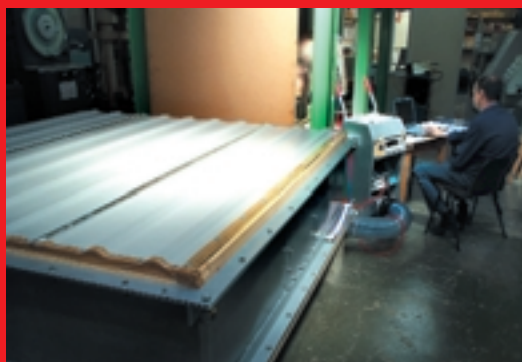


Corus Colorcoat®

Centre for the Building Envelope

Working with the largest architectural school in the UK, Corus has established the Corus Colorcoat® Centre for the Building Envelope at Oxford Brookes University to support research and innovation in the use of pre-finished steel in the building envelope.

The new centre will help Corus provide increased support for our customers in developing new cladding systems and conduct research to promote the use of pre-finished steel roof and wall cladding systems in the buildings of the future. A key area of focus is how the building envelope can contribute to the aims of sustainable development, with work focusing on minimising operational energy as well as life cycle analysis and the development of modern methods of construction.



This will be invaluable in helping architects and contractors comply with the changes to Part L (2006) building regulations.

Development of testing facilities to assess airtightness

The Corus Colorcoat® Centre for the Building Envelope, based in Oxford, has developed one of the world's most advanced testing facilities for assessing the air-tightness of building details. Using this it is possible to simulate real life detailing issues and determine the effect on whole building air-tightness.

In developing these testing facilities with Oxford Brookes Architectural School, Corus believes the results will be used to provide more airtight building details, reducing energy-in-use for the client and future-proofing commercial developments from uncertain fuel prices. The Colorcoat® Centre provides an excellent example of how Corus is working to provide better value for the market.

Colorcoat® Building manual

Now updated with Part L (2006)

The definitive guide to designing, specifying and constructing the metal building envelope.

Developed in consultation with architects and other construction professionals, the Colorcoat®

Building manual incorporates over 40 years of Colorcoat® expertise.

Now updated to cover Part L (2006) building regulations, it is the invaluable guide you cannot afford to be without.



Market Feedback

The award winning Colorcoat® Building Manual provides an invaluable and comprehensive reference source for metal envelope design, specification and construction. Divided into 8 sections and covering 27 key topics, it includes information about planning, sustainability, building regulations and refurbishment as well as detailed case studies.

Independent market research following the launch of the manual in 2005 confirms its 'must have' value for all specifiers of metal clad buildings.



"The technical content is world-class."

"Everything was particularly useful especially the sections on maintenance and cladding."

"The manual is well-presented and navigation is made easy – a real time saver!"

Repertoire®

Colour Consultancy

Corus has established the Repertoire® Colour Consultancy to help specifiers get the most from Colorcoat® products.

Face to face, on-line, or by telephone, the Corus team can provide technical advice and guidance on standard as well as bespoke colours to feed the imagination and inspire design.

With the newly enhanced online visualisation tool, the effect of colour and profile can be viewed

in a 3D environment using either Colorcoat HPS200® or Colorcoat Prisma®. A variety of profiles can be applied to the roof and wall in virtually any colour. What's more, the building can be zoomed in at and viewed from virtually any angle and snap-shots taken which can be saved onto your computer or emailed as a link to others.



Forest Holiday Homes Cornwall

Forest Holidays has erected a large number of holiday chalets. From the start these chalets had to be sympathetic to the surrounding countryside yet comply with modern standards in terms of performance and appearance.

The timber frames were creatively offset with roof cladding using Colorcoat HPS200®. The colour was selected using the unique

Repertoire® Colour Consultancy from Corus, which allowed the client to create exactly the shade required. Terence O'Rourke Architects explain the importance of the colour scheme.



"We did a lot of research into the colour and this one was chosen as it seemed to disappear into the Cornish countryside, complying with the planning requirements for inconspicuousness."

Having identified the colour, the architects then had to define and specify it.

"Corus provided us with a selection of samples to meet the requirements and we very quickly found the perfect match."

Colorcoat Connection[®] helpline



A dedicated helpline offering advice and guidance on metal envelope design, specification and construction.

Providing information on the performance of Colorcoat[®] products, how to comply with building regulations, where to source complementary products and much much more. The Colorcoat Connection[®] helpline provides immediate support when you need it most.

Advice on durability and life cycle costing

A leading architectural practice in Glasgow rang the Colorcoat Connection[®] helpline about a new distribution centre they were designing on the East coast of Scotland. They wanted to know what product Corus would recommend for a coastal environment and how the performance of this would compare with the leathergrain product they were considering using. Detailed technical information and data was

provided on Colorcoat HPS200[®] including examples of where it had successfully been used in a similarly harsh environment. The architects were also informed about additional benefits that Colorcoat HPS200[®] can offer in terms of reducing ongoing costs during the life of the building. The product is maintenance free and the cost saving over 30 years from this makes it 36% cheaper than leathergrain products.

Colorcoat® business development team

The Colorcoat® Business Development team has over 40 years' experience advising architects, contractors and clients in the design, specification and construction of metal envelopes. With a team covering England, Wales, Scotland and Ireland, advice and support are quickly available.

Covering the most appropriate Colorcoat® product selection, preparation of written specifications, technical advice on colours as well as RIBA approved CPD seminars, the Colorcoat® Business Development team is available to meet and discuss individual project requirements.



Focus DIY Tamworth

Architects, The Harris Partnership, have recently designed a major new logistics centre for Focus DIY in Tamworth. The new centre needed to fit in with and complement existing buildings on the site. The Colorcoat® Business Development team was able to advise on the most appropriate pre-finished

steel products to establish a closer relationship with the existing buildings. Metal hand samples and technical information were provided to help with the specification process and Colorcoat HPS200® and Colorcoat Prisma® were chosen. The project went smoothly and The Harris Partnership was impressed with the level of support and advice Corus was able to provide.

“There was extremely good co-ordination between the main contractor and sub-contractors, and excellent and timely advice from Corus.”

Other Colorcoat® services



www.colorcoat-online.com

Website companion to the Colorcoat® Building manual, it is regularly updated to contain the most current information. It includes interactive areas such as the Repertoire® visualisation tool where the effects of different colour and profile combinations can be viewed in a 3D environment, Colorcoat® Product Selector and Cladding System Selector.

Colorcoat® samples

Hand samples are available for a wide range of the Colorcoat® products and these can be useful in finalising product specification and colour selection. These can be requested through the Colorcoat Connection® helpline or at www.colorcoat-online.com

Product design manual

This provides guidance on the use of pre-finished steel to achieve an optimum design and is split into four key sections covering:

- *Essential design details such as corner detailing, joining, cut edges, adhesive bonding and watch points.*
- *How to choose the right pre-finished steel product.*
- *Basic forming techniques such as shearing and blanking, spinning etc.*
- *Resistance to chemicals.*

Design prototyping

Design, fabrication and prototyping facilities are available in Shotton, North Wales to assist designers in using Colorcoat® products and securing the best from them in the final system or component.



**There's only
one true
Colorcoat[®]**

Ensure that it's Colorcoat[®] by Corus

www.colorcoat-online.com

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