

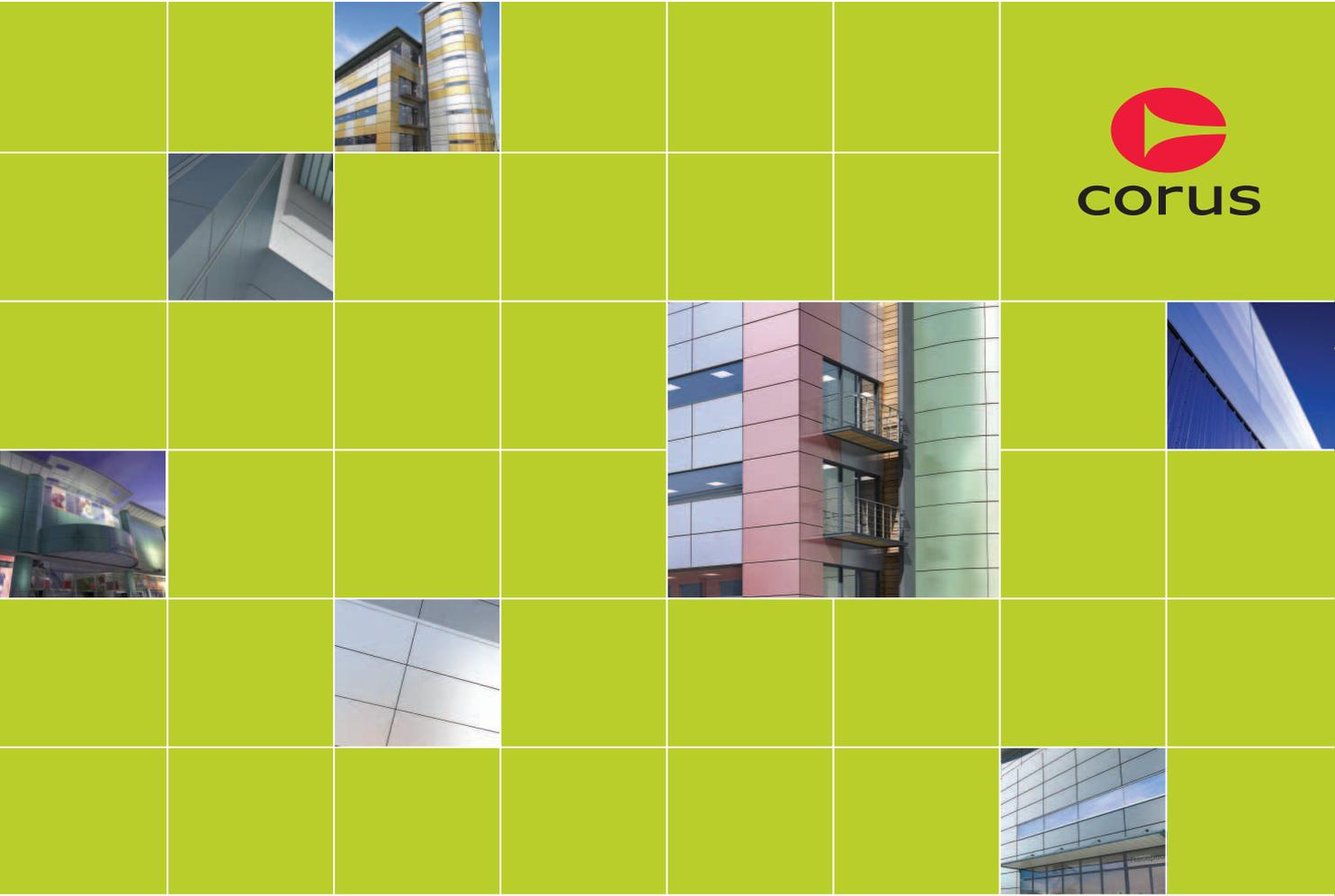


Corus Colors

# Colorcoat Prisma<sup>®</sup>

The high performance pre-finished steel with aesthetic appeal





# Colorcoat Prisma<sup>®</sup>

## Inspire your imagination

Colorcoat Prisma<sup>®</sup> is the ideal choice to deliver eye-catching buildings that will stand the test of time. Technically and aesthetically superior to PVDF (Pvf2), Colorcoat Prisma<sup>®</sup> is readily available in the most popular colours. It also benefits from a bespoke colour matching service to create a tailored look for any building.

- Comprehensive Confidex<sup>®</sup> Guarantee of up to 25 years for total peace of mind.
- Popular solid and metallic colours with outstanding colour and gloss retention.
- Bespoke colours available through the Repertoire<sup>®</sup> Colour Consultancy.
- Optimised Galvalloy<sup>®</sup> metallic substrate for ultimate corrosion resistance and cut-edge protection.
- Robust and durable product for easier handling and processing.

**For complete peace of mind always specify Colorcoat Prisma<sup>®</sup> with the market-leading Confidex<sup>®</sup> Guarantee.**

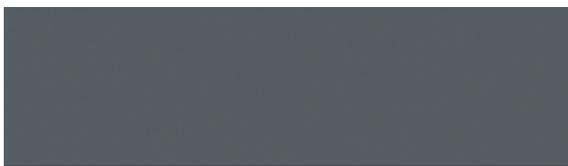
# Colorcoat Prisma®



Silver Metallic (RAL9006)



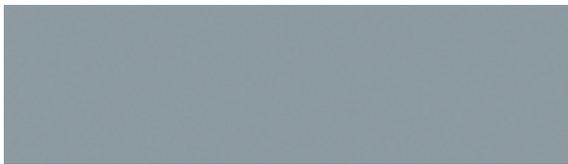
Grey Aluminium (RAL9007)



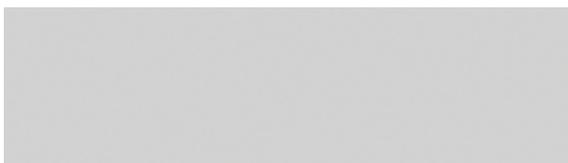
Anthracite (RAL7016)



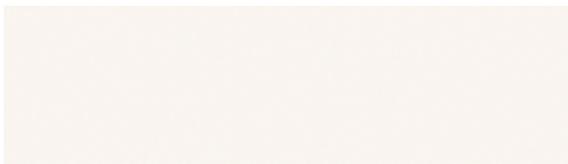
Slate Grey (RAL7012)



Alaska Grey (RAL7000)



Oyster (RAL7035)



White (RAL9010)



Pegasus



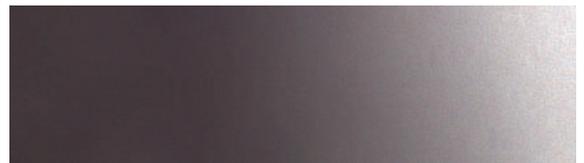
Mercury



Ariadne



Kronos



Zeus



Atlantis



Aquarius



Aurora



Helios

The numbers shown next to the colours represent the nearest RAL references for the Colorcoat Prisma® colours. Bahama Blue, Black, Mountain Blue and Pinewood Green are also available. Hand samples should always be ordered to ensure a more exact colour match.

# Repertoire® Colour Consultancy

## Expert Advice from Colours to Components

The use of colour, form, profile type and orientation can all impact on the final appearance of a building and its fit with the local environment.

Corus has established an expert team to help specifiers get the most from Colorcoat Prisma®. By phone, on-line or face-to-face, the Corus team can provide advice and guidance to feed the imagination and inspire good design.

The Repertoire® Colour Consultancy can advise on colours and colour strategies using a range of standard shades, as well as discussing individual bespoke colour requirements. Corus can match almost any shade from physical swatches, commonly used references such as RAL, NCS and British Standard through to the more unusual standards.

Repertoire® offers much more than just a colour matching service. Our expert team can also provide a wide range of advice and guidance covering:

- The most appropriate Colorcoat® product choice for the application.
- How potential planning issues can be overcome with colour strategies.
- The sourcing of complementary components to complete a project.
- Product specifications, lead times and order quantity requirements.
- Repertoire® online - the unique visualisation tool, to inform colour selection.

To benefit from the Repertoire® Colour Consultancy, contact the Colorcoat Connection® helpline or visit [www.colorcoat-online.com/repertoire](http://www.colorcoat-online.com/repertoire)



# Product Leadership

## Coating Performance

Colorcoat Prisma® is designed around a thick-film coating formulation, providing a greater level of durability than PVDF (Pvf2). A high-performance primer provides excellent corrosion resistance, complemented by a robust top-coat with good scratch and abrasion resistance for easier handling and processing.

Colorcoat Prisma® is a technically and aesthetically advanced product, allowing flexible colour choice with outstanding colour and gloss retention.

## Durability

The substrate for Colorcoat Prisma® is Galvalloy®. Galvalloy® is a hot-dip metallic coating on steel based upon a 95% zinc: 5% aluminium eutectic alloy to BS EN 10326: 2004. The combination of zinc and aluminium in these carefully developed proportions offers the ideal mix of both barrier and sacrificial protection, beyond that of standard hot-dip galvanised coatings.

Galvalloy® offers improved flexibility and paint adhesion when used as a substrate for Colorcoat Prisma®. More importantly it offers enhanced corrosion performance, particularly at cut edges. This allows us to offer the class-leading Confidex® Guarantee, where the performance of cut edges is covered for the full extent of the Confidex® Guarantee Period.

## Specification

To secure the peace of mind that comes from a rigorously manufactured and tested product from Corus, please ensure Colorcoat® as well as the individual product name is specified e.g. Corus Colorcoat Prisma® with Galvalloy® hot-dip metallic coated steel grade S220GD.

## Colorcoat® Reassurance

The Colorcoat® brand provides the recognised mark of quality and metal envelope expertise exclusively from Corus. Encompassing 40 years of innovation, strict testing procedures and manufacturing excellence, Colorcoat® provides a range of pre-finished steel products supported by services such as transferable guarantees and colour matching, and expert advice and guidance on all aspects of metal envelope design.

The Colorcoat Connection® helpline (+44 (0)1244 892434), [www.colorcoat-online.com](http://www.colorcoat-online.com) and The Colorcoat® Building manual all provide comprehensive sources of support and information.



**Optimised Galvalloy®  
metallic substrate for  
ultimate corrosion resistance  
and cut-edge protection**





CORUS

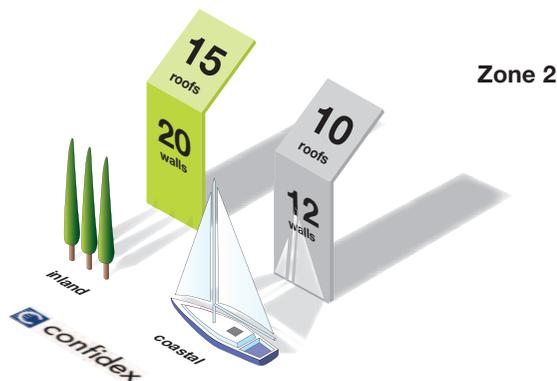
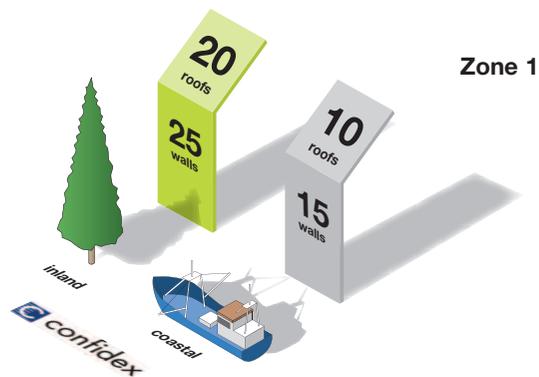
# Peace of Mind

## Confidex® Guarantee

Confidex® offers the most comprehensive guarantee available for pre-finished steel and for Colorcoat Prisma® can provide peace of mind for up to 25 years.

Specifically Confidex®:

- Covers cut edges for the entirety of the minimum Confidex® Guarantee Period.
- Is offered directly to the building owner, unlike most other guarantees on the market.
- Has a quick and simple registration form.
- Does not include mandatory annual inspection.
- Is fully transferable should the building ownership change.
- Helps to reduce the level of risk for each part of the supply chain.
- On production of the certificate, can be used to secure a discounted Structural Building Guarantee from Bland Bankart (independent insurance broker).



- Northern Europe – Zone 1
- Southern Europe – Zone 2

### The Confidex® guarantee

Corus UK Limited guarantees that the product when used as roofing or walling in Northern and Southern Europe will meet the performance criteria shown in this guarantee, subject to the terms set out in the guarantee. If the product does not meet these criteria, Corus will replace the defective material according to the terms of this guarantee. This Confidex registers the building identified below and validates the guarantee. Please keep it in a safe place and make a note of the guarantee registration number.

Guarantee registration number \_\_\_\_\_

Date of registration \_\_\_\_\_

Building owner \_\_\_\_\_

Building address \_\_\_\_\_

Architect \_\_\_\_\_

System manufacturer \_\_\_\_\_

Main contractor \_\_\_\_\_

Cladding contractor \_\_\_\_\_

Completion date \_\_\_\_\_

Product \_\_\_\_\_ Confidex® Guarantee period \_\_\_\_\_

Floor \_\_\_\_\_

Walls \_\_\_\_\_

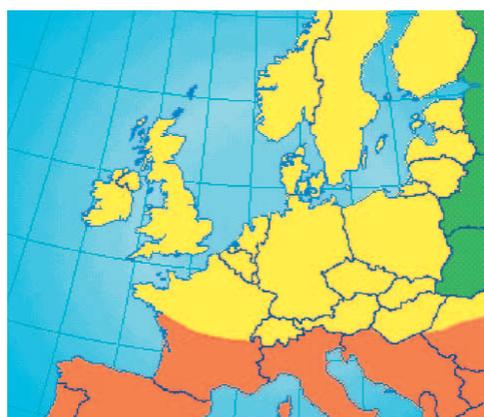
Notes

1. The Confidex® Guarantee Period begins from the date the material is delivered to the site, but not more than 18 months after manufacture by Corus.

2. Soffits and gutters of 1 degree will not be included from the Confidex® Guarantee.

3. Soffits are excluded.

4. Because the surface of flashings can emulate roofs, walls or both, their durability is determined by the function they perform. If a single flashing emulates both a roof and a wall, the entire flashing is assumed to have the durability of a roof. To achieve the best performance, both the design of flashings and their application to the building should follow Corus recommendations. In particular, all longitudinal edges should be welded or lock rolled.



### Notes

1. Figures under the Coastal heading are for buildings within 1 km of any coast.
2. The Confidex® Guarantee Period begins from the date the material is delivered to the site, but not more than 18 months after manufacture by Corus.
3. Full terms and conditions of the Confidex® Guarantee are on the reverse of the application form, which is available from Corus.
4. Soffits are excluded.
5. Because the surface of flashings can emulate roofs, walls or both, their durability is determined by the function they perform. If a single flashing emulates both a roof and a wall, the entire flashing is assumed to have the durability of a roof. To achieve the best performance, both the design of flashings and their application to the building should follow Corus recommendations. In particular, all longitudinal edges should be welded or lock rolled.

## Fire Performance

### Reaction to Fire

Colorcoat Prisma® has a class 1 surface spread of flame when tested in accordance with BS476 part 7, and meets the class 0 requirements of the Building Regulations for England and Wales 2000. It is classified as A2 in accordance with EN 13501.

### Resistance to Fire

Colorcoat Prisma® when used as part of a roof cladding system, will achieve a class AA performance rating when tested in accordance with BS476 part 3. It is deemed to satisfy, without the need for further testing, the requirements for external fire performance of roof covering product in accordance with Commission Decision 2000/553/EC.

Colorcoat Prisma® meets the requirements for internal linings, and external surfaces of walls and roof coverings, for all building applications in UK.

## Colour Matching

Although the printing technology used to represent the colours gives a very good representation, it cannot convey the actual colour and effect. Product hand samples are available from Corus.

Slight variation between coils produced at different times is a characteristic of all coloured products. If tonal consistency is critical, all cladding for a single elevation should come from the same production batch. Colorcoat Prisma® exhibits a degree of directionality subject to the same variation.

If an exact match between components and Colorcoat Prisma® is essential this is best achieved by matching to the actual cladding delivered to site.

## Health and Safety Data Sheets

Detailed Product Health and Safety Data Sheets are available on [www.colorcoat-online.com](http://www.colorcoat-online.com)

## Typical Properties

Colorcoat® Product		Prisma®
Nominal organic coating thickness	(µm)	50
Specular gloss (60°)	(%)	30-40
Scratch resistance	(g)	>3500
Abrasion resistance (Taber)	(mg)	<20
Flexibility:		
Min. bend dia.	(T)	0.5
Reverse impact	(J)	18
Adhesion (cross hatch)	(%)	100
Corrosion Resistance:		
Salt spray	(h)	1000
Humidity	(h)	1000
UV resistance		Excellent

### General notes

The figures contained in this table are typical properties and do not constitute a specification. These figures relate to the topcoat. For details on test methods see [www.colorcoat-online.com](http://www.colorcoat-online.com)

**Comprehensive Confidex®  
Guarantee of up to 25 years  
for total peace of mind**





# Colorcoat® in Action



## Case Study

### Gazeley Distribution Centre Bedford

#### Colorcoat® product:

Prisma® (walls) in 6 bespoke colours



Bluebell



Lilac



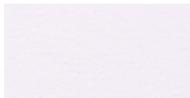
Chalk Blue



Baltic Blue



White Lilac



Blue White



### Godzilla Meets its Match

Colorcoat Prisma® has made its debut on the 41,000m<sup>2</sup> distribution centre at Marsh Leys in Bedford. Construction of the building, which is known as Godzilla, forms part of a 170,000m<sup>2</sup> speculative development programme.

Gazeley Properties is one of the UK's leading developers in industrial, distribution and retail park developments. With 12% of the UK distribution property market, it has developed over 2 million m<sup>2</sup> of space in the UK, in the last 15 years.

# Colorcoat® in Action



## Colour Challenge

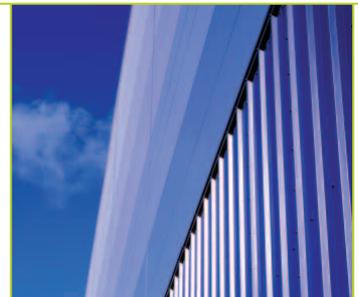
Due to the high profile location of the centre, Gazeley Properties wanted a colour solution that would make the structure as visually appealing as possible and offer superior durability and performance. Following discussions with Corus, a solution was developed using Colorcoat Prisma®. In all, six bespoke complementary colours were specified for the Godzilla building, selected from the RAL Design standard.

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

As well as meeting the demanding colour brief, Colorcoat Prisma® also provides the flexibility of easy handling during construction and the assurance of a technically superior and long-lasting product.

The distribution centre is the first of Gazeley's eco-friendly warehouses to be completed, and incorporates a number of environmental initiatives suggested in Gazeley's two-year, €1 million EcoTemplate research.

Having used Colorcoat Prisma® to great effect on the walls of the Godzilla building, architects Chetwood Associates have since incorporated it on a number of other Gazeley distribution centres around the UK.



---

# www.colorcoat-online.com

---

## Trademarks of Corus

Aquarius, Ariadne, Atlantis, Aurora, Colorcoat, Colorcoat Connection, Confidex, Galvalloy, Helios, Kronos, Mercury, Pegasus, Prisma, Repertoire and Zeus are trademarks of Corus.

Corus is part of the Tata Steel group.

Care has been taken to ensure that the contents of this publication are accurate, but Tata Steel Europe Limited and its subsidiaries do not accept responsibility or liability for errors or information that is found to be misleading.

Suggestions for, or descriptions of, the end use or application of products or methods of working are for information only and Tata Steel Europe Limited and its subsidiaries accept no liability in respect thereof.

Before using products or services supplied or manufactured by Tata Steel Europe Limited and its subsidiaries, customers should satisfy themselves as to their suitability.

Corus cares about the environment - this brochure is printed with biodegradable vegetable inks and using material with at least 80% recycled content.

Copyright 2009 Corus.

Language **English 0209**

## Sales Contact Details

Corus Colors  
Shotton Works  
Deeside  
Flintshire  
CH5 2NH  
United Kingdom

## Colorcoat Connection® helpline

T: +44 (0)1244 892434

F: +44 (0)1244 836134

E: [colorcoat.connection@corusgroup.com](mailto:colorcoat.connection@corusgroup.com)