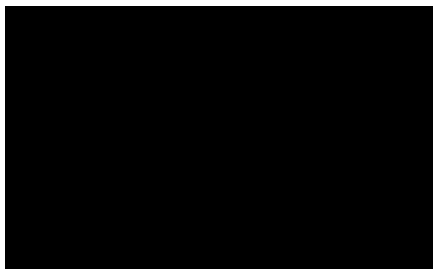
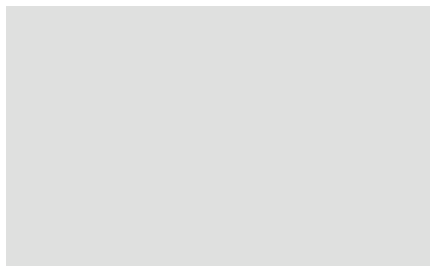


Colorcoat® PVDF

Organic coated steel for the building envelope



Black (RAL9005*)



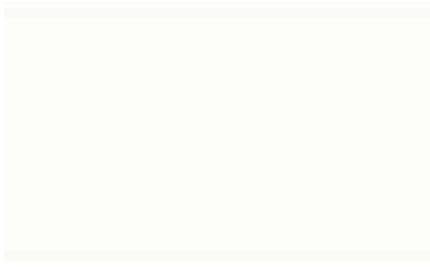
Oyster (RAL7035*)



Pinewood Green (BS14C39*)



Anthracite Grey (RAL7016*)



White (RAL9010*)



Light Ivory (RAL1015*)



Slate Grey (RAL7012*)



Bahama Blue (RAL5015*)



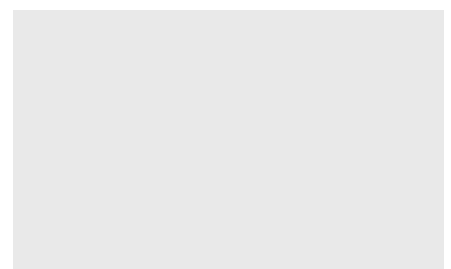
Grey Aluminium (RAL9007*)



Alaska Grey (RAL7000*)



Mountain Blue (RAL5014*)



Metallic Silver (RAL9006*)

Note:

*These are the numbers of the nearest RAL or BS colour reference.

Other colours are available upon request. For a true representation of colour and finish, please obtain product samples from Corus.

Colorcoat PVDF

PVDF is particularly well suited to building envelope applications such as wall cladding and panels, where good colour fastness and gloss retention are important. Available in a wide range of colours, of which only a selection are shown overleaf.

Coatings and substrates

PVDF has a smooth fluorocarbon topcoat on Z275 hot-dip zinc coated steel to EN 10147. The standard reverse side coating is our high-performance backing coat. Double-sided PVDF is available on request as are other backing coats.

Durability

The performance of PVDF is defined by the Period to Re-paint Decision, which is the length of time before the building owner needs to consider whether to repaint the cladding. For walls, this period can be 15 years when the coating is exposed to a normal inland environment. However, this is a guideline figure and the actual durability of PVDF in any particular location will depend upon the exact specification. Consult Corus for further details.

The use of Colorcoat PVDF in a distinctly marine environment is not recommended. If used in other corrosive environments and the cut edges of the sheets are exposed, edge corrosion may occur. These edges can be painted to prevent corrosion.

Product Range

The characteristics of Colorcoat PVDF can also be applied to alternative substrates, including aluminium with our Colorlite range, and stainless steel. In addition, a range of thicker PVDF coatings are also available, offering enhanced performance and durability.

Product leadership

Corus has been making organic coated steels for over 35 years and is committed to providing high-quality competitive products and service. The company has a large range of cladding products, all thoroughly tested and proven in the field. No one knows more about coated steels than Corus.

Maintenance

There are few exterior materials whose appearance will not benefit from regular inspection, together with any maintenance that might be necessary at that time. Such activities will repay the careful building owner and the occupier by giving them the best possible performance from the product. For more information, contact Corus.

Typical properties

Property	Data	Test method
Nominal coating thickness (µm)	25-27	ECCA T1
Gloss % (60°)	10-35	ECCA T2
Flexibility:		
Reverse impact (Joules)	11	ECCA T5
Minimum bend radius (T)1	2	ECCA T7
Adhesion (cross hatch)	N/A	BS 3900/E6
Corrosion resistance:		
Salt spray (hours)	1000	ECCA T8
Humidity (hours)	1000	ECCA T9
Abrasion resistance (Taber)2 (mg)	16	ASTM D4060
Scratch resistance (g)	3000	ISO 1518
Max. continuous operating temperature (°C)	120	Corus
Minimum forming temperature (°C)	16	Corus

General notes:

The figures contained in this table are typical properties and do not constitute a specification. These figures relate to the topcoat and are measured according to EN 10169.

Specific notes:

- The minimum bend diameters in this table are forming at 16°C, unless stated otherwise. T=substrate thickness
- Loss at 250 revolutions, 1000g load, CS 10 wheels.

Health and safety

The Product Health and Safety Data sheet numbers for the constituent parts of PVDF are shown below.

Constituent	Part Number
Substrate	18
Primer	31 and 70
Topcoat	34
Backing coat	30

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Colorcoat Online

Product, design and services information:
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