



A Tata Steel Enterprise

## Color chart Colorcoat®

Pre-finished steel for roofing and wall cladding



This colour card brochure provides an overview of the possibilities, application guidelines and (standard) Colorcoat® colours. SAB products such as sandwich panels, profiled cladding, liner trays and flashings can be produced in the Colorcoat product and colour of your choice. Enabling you to create individual buildings.

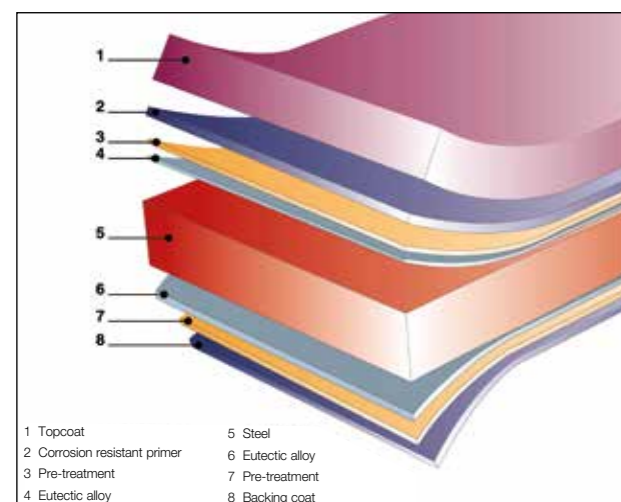
#### Quality with Colorcoat®

The Colorcoat brand stands for recognized quality and expertise in the field of architectural steel cladding, exclusively by Tata Steel. Continuing to build on more than 50 years of experience in the development of innovative products and the use of strict test procedures and outstanding production methods, Colorcoat offers an extensive range of pre-finished steel products. These products come with a comprehensive package of services, including transferable guarantees with periods of up to 40 years, plus colour matching with Colorcoat Compass® and advice and guidance from experts in the field of architectural steel cladding design. Colorcoat pre-finished steel is produced by Tata Steel and delivered to the market through strategic partners such as SAB-profiel.

The basis for all types of pre-finished steel is the steel itself. As the basic material, Tata Steel uses continuously galvanized steel (sendzimir), MagiZinc® en Galvalloy™. Galvalloy™ is special for Colorcoat Prisma® and Colorcoat HPS200 Ultra®. SAB-profiel supplies coated material that complies with the applicable European standard EN 10169. All coatings are applied using the coil coating process. The quality of the coatings by the suppliers of SAB-profiel is checked against the guidelines of the European Coil Coating Association (ECCA).

#### Colorcoat HPS200 Ultra® the advanced pre-finished steel with a 40 year guarantee

Colorcoat HPS200 Ultra, a pre-finished steel product with a 200 µm coating, is the most durable pre-finished steel product on the market and offers unrivalled performance. Colorcoat HPS200 Ultra is produced as standard with a unique Scintilla embossing on the facing side, while a durable backing coat is applied to the reverse face. The substrate is Galvalloy™ (95% zinc and 5% aluminium). This provides the additional protection that make the exclusive and extensive Confidex® Guarantee periods till 40 years possible, including cut edges. Colorcoat HPS200 Ultra is maintenance free during the guarantee period and do not need a yearly inspection. Colorcoat HPS200 Ultra is ideal for outdoor applications in



marine and industrial environments, because of the optimal corrosion resistance. Colorcoat HPS200 Ultra is available as standard in 35 uni colours and 5 matt colours. Colorcoat HPS200 Ultra is also available in just about all the uni colours via Repertoire® Colour Consultancy, starting from approx. 2.500 m<sup>2</sup> or in consultation with our sales division. For further information and for full details of the standard colours see the special Colorcoat HPS200 Ultra colour brochure, which is available on request.

#### Colorcoat Prisma® high-grade pre-finished steel with aesthetic allure

Colorcoat Prisma, a pre-finished steel product with a 50 µm coating based on a high build coating, is the best combination of aesthetic quality and durability available. This product has because of a high UV stability as well as its high scratch durability and corrosion resistance, also exceptional colour and gloss preservation making it ideal for use in external wall plates and sandwich panels for instance. Colorcoat Prisma offers a superior lifespan thanks to the Galvalloy™ metallic substrate (95% zinc and 5% aluminium). Colorcoat Prisma has the exclusive Confidex® Guarantee for up to 30 years, including cut edges. Colorcoat Prisma is available as standard in 12 metallic colours, 12 uni colours and 3 matt colours. Colorcoat Prisma is also available in just about all the uni colours via Repertoire® Colour Consultancy starting from approx. 2.500 m<sup>2</sup> or in consultation with our sales division. For further information and for full details of the standard colours see the special Colorcoat Prisma colour brochure, which is available on request.

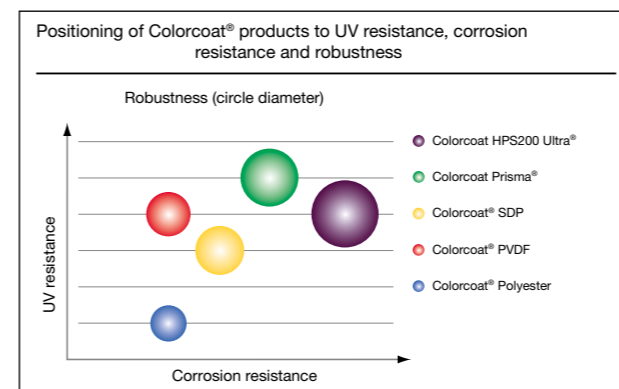
#### Advantica® L Control for foodsafe applications

Advantica L Control is a smooth, hard laminated PVC foil with a layer thickness of 150 µm on one side and is available

in the RAL colour 9010. The reverse side is finished off with a light-coloured primer coating. Advantica L Control has been specially developed for use on sandwich panels applied in the processed foodstuffs industry, such as production facilities for foodstuffs, processing areas for meat and fish and cold storage of fruit and vegetables. The product is not suitable for outdoor applications. For less or not aggressive foodsafe applications, there is Advantica GM. For more information and colours consult our sales department.

#### Colorcoat® PVDF

Colorcoat PVDF, a pre-finished steel product with a 25 µm coating consisting of polyvinylidene fluoride and other binding agents, also intended for use in non-corrosive environments. To ensure that they maintain a highly durable attractive appearance, Colorcoat PVDF supplied by SAB-profiel offer sufficient elasticity and mechanical strength, while remaining suitably resistant to solvents, chemicals and UV radiation. This coating is often chosen for facades where colour fastness is important. For use in marine or industrial climates we have other appropriate products (see elsewhere in this brochure). Guarantees are limited and only for application as wall cladding and more than 10 km from the coast. Colorcoat PVDF is standard available in 5 uni colours and 2 metallic colours. Other uni colours are available on request from 2.500 m<sup>2</sup> or in consultation with our sales department.



Characteristics	Colorcoat HPS200 Ultra®	Colorcoat Prisma®	Colorcoat® SDP 35	Colorcoat® PVDF	Colorcoat® PE 25 / Polyester	Colorcoat® PE 15 / Interior coating
Nominal total dry film thickness in µm	200	50	35	25	25	15
Gloss (60°)	20 – 40% < 10% <sup>5</sup>	30 – 40% < 5% <sup>5</sup>	20 – 40%	15 – 40%	30 – 50%	30 – 50%
Flexibility T-Bend test without cracking	0T	0,5T	1,5T	2T	3T	5T
Corrosion resistance <sup>1</sup>	RC5	RC5	RC4	RC3	RC3	RC2
Max. continuous operating temp.	60°C	90°C	90°C	100°C	90°C	90°C
Pencil hardness <sup>1</sup>	4	3	3	2	2	1
UV-resistance <sup>1</sup>	Ruv4	Ruv4	Ruv4	Ruv4	Ruv3	Ruv2
Chemical resistance <sup>1</sup> anorganic/organic <sup>2</sup>	3/4	4/4	3/3	3/4	2/3	2/2
MMax. guarantee period wall (years) <sup>3</sup>	40	30 <sup>4</sup>	15	12	10	-
Max. guarantee period roof (years) <sup>3</sup>	40 <sup>4</sup>	30 <sup>4</sup>	15	-	-	-

#### Colorfarm® more than just for agricultural buildings

Colorfarm is a pre-finished steel which provides excellent corrosion resistance and a specific resistance against ammonium and agricultural chemicals. A special application area of Colorfarm is the cladding of buildings in which animals are held or in which biomass is processed. Colorfarm has a high build 35 micron coating. Through this Colorfarm is ideal for use in sandwich panels inside farm buildings taxed by ammonia. A 15 year's performance statement can be received on request. SAB-profiel offers Colorfarm in the most used colour, Chalk White (RAL 9002), that contributes to a bright interior. On request (> 2.500 m<sup>2</sup>) five other uni colours (Slate Grey, Juniper Green, Millstone Brown, Slate Blue and Kiln Red) can be delivered or in consultation with our sales department.

#### Colorcoat® SDP 35

Colorcoat SDP 35 is a pre-finished steel product with a 35 µm coating. The most important benefits are the better corrosion resistance, robustness and colourfastness. Colorcoat SDP 35 is suitable for situations in which standard 25 µm coating based products insufficient perform, such as cold roof profiles, roof panels or as wall cladding in coast areas. For external roof cladding, SAB-profiel recommends the use of coating systems with a minimum layer thickness of 35 µm as this provides greater protection against scratching that could lead to corrosion. Excellent continuous guarantee till 15 years possible depending on location, climate and application. Colorcoat SDP 35 is available on request from 2.500 m<sup>2</sup> or in consultation with our sales department.

#### Colorcoat® PE 25 / Polyester

Colorcoat PE 25 has a smooth 25 µm layer thickness coating based on a polyester, which is solely intended for use on facades in non-corrosive environments. Guarantees are limited and only for application as façade. Colorcoat PE 25 is standard available in 19 uni colours and 2 metallic colours. Other uni colours are available on request from 2.500 m<sup>2</sup> or in consultation with our sales department.

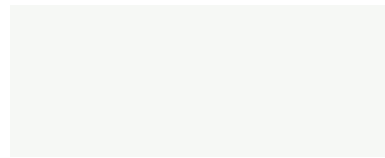
#### Colorcoat® PE 15 / Interior coating

Colorcoat PE 15 (also known as interior coating, KID or DU) consists of a smooth coating based on polyester and is applied in a standard layer thickness of around 15 µm. Colorcoat PE 15 is almost solely used for indoor applications, such as the B-side of sandwich panels, on the facing side of structural liner trays and profiled warm roof cladding. The light colour (compared to galvanized steel) required less lighting and will save on your energy bill. Colorcoat PE 15 is not suitable for external use. Even outdoor storage should be avoided or to be as short as possible. Available in standard RAL 9002 or 9010. Other colours are available on request from 2.500 m<sup>2</sup> or in consultation with our sales department.

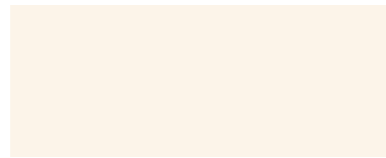
#### Property table legend

- 4 = excellent 3 = good, 2 = sufficient, 1 = acceptable
- Can strongly deviate for specific chemicals.
- Maximum guarantee period is for inland. Coast area on request, depending on coating type.
- Maximum guarantee period depends on colour group.
- Matt colours.

## Colorcoat® PE 25 / Polyester



RAL 9010



RAL 9001



RAL 1015



RAL 9002



RAL 7032



RAL 7005



RAL 7035



RAL 7016



RAL 6005



RAL 6011



RAL 6020



RAL 6009



RAL 5009



RAL 5010



RAL 5003



RAL 8004



RAL 8012



RAL 8011



RAL 3000

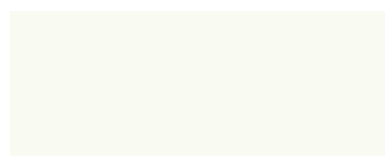


RAL 9006



RAL 9007

## Colorcoat® PE 15 / Interior coating



RAL 9010

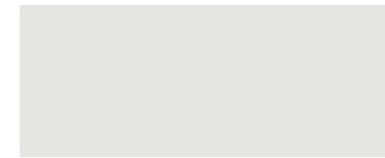


RAL 9002

## Colorcoat® PVDF



RAL 9010



RAL 9002



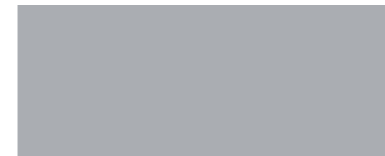
RAL 7035



RAL 7016



RAL 9005



RAL 9006



RAL 9007

## Colorcoat Prisma®



## Colorcoat HPS200 Ultra®



- The printed colors are for reference only. Ask in doubt about color or gloss for a representative sample of pre-finished steel at SAB-profiel.
- SAB-profile advises for roof cladding a coating systems on the outside with a minimum thickness of 35 µm.
- In addition to these colors SAB-profiel can deliver about 50 colors in standard sizes in consultation with our sales department.
- For the latest overview of standard colors, please consult our website [www.sabprofiel.com](http://www.sabprofiel.com).
- SAB, Colorcoat, Colorcoat Compass, Colorcoat HPS200 Ultra, Colorcoat Prisma, Confidex, Galvalloy, MagiZinc, Repertoire en Scintilla are trademarks of Tata Steel.

# www.sabprofiel.nl

## **Avoiding colour discrepancies**

A slight colour variation is almost unavoidable, ordering the same wall, facade or roof in one batch the colour difference is minimal. Extra attention should be given to the so-called metallic colours (such as RAL 9006 and 9007) as aluminium particles give a special gloss and colour effect that differs per production batch. When using these coatings, SAB-profiel recommend that you clearly specify the various wall sections in your order (preferably accompanied by a floor plan) so that these can be made from one and the same production batch. Most metallics also have an arrow marking on the reverse B-side or on the protective film of the metallic coating. SAB-profiel accepts no liability whatever for colour discrepancies between SAB-profiel products mutually or between SAB-profiel products and products obtained elsewhere. This applies to all colours and to all pre-coated steel products. SAB-profiel recommends that Colorcoat PE 25 and Colorcoat PVDF should always be ordered with protective film.

## **Cleaning and maintenance**

with a view to:

- Retaining the aesthetic quality
- Retaining and extending the durability

The recommendation is that cleaning should be carried out a minimum of 1 to 3 times a year (for Colorcoat HPS200 Ultra® and Colorcoat Prisma® this is not mandatory for the purpose of retaining the guarantee). For the methods to be used for maintenance please refer to [www.colorcoat-online.com](http://www.colorcoat-online.com).

SAB-profiel accepts no liability for any inaccuracies in this brochure and reserves the right to update the contents to reflect the latest developments.  
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