



A Tata Steel Enterprise

# MONTACOLOR®

Colour chart for profiles in aluminium and steel and sandwich panels



SWISS MADE<sup>+</sup>



# COLOUR. CREATIVITY. MONTACOLOR®.

With Montana products, you can design your structure in an integrated manner. From the outer roof and supporting shell to cladding profiles and roof soffits, as well as external façades and interior walls – with elements available for different construction philosophies, such as rear-ventilated facades, sandwich constructions and curtain-type facades. Coordinated elements enable freedom of design and open up (virtually) unlimited possibilities.

A big range of colours, coatings and materials inspires the creativity. Together with the different Montana profiles, result infinitely possibilities of combination.

Montana Building Systems Ltd. offers an economical assortment, which is ready to be used for any creative idea by planners, architects and builders.

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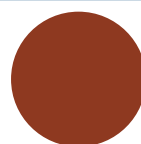
**AVOIDING COLOUR DIFFERENCES**

# MONTACOLOR®

## COLOUR COLLECTION

### COLORCOAT POLYESTER

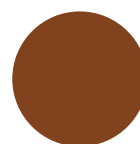
COLOUR	RAL 1013 <sup>5)</sup>	RAL 1015 <sup>1)</sup>	RAL 1019	RAL 3004 <sup>5)</sup>	NCS 3020-R90B <sup>5)</sup>
Available in	Oyster white Steel	Light ivory Steel	Grey beige Steel	Purple red Steel	Blue pale Steel



COLOUR	RAL 6011 <sup>5)</sup>	RAL 6020 <sup>5)</sup>	RAL 7016 <sup>1)</sup>	RAL 7021	BLACK MÉTALLISÉ <sup>2) 3) 5)</sup>
Available in	Reseda green Steel	Chrome green Steel	Anthracite grey Steel	Schwarzgrau Aluminium	Aluminium



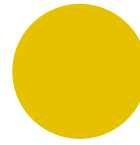
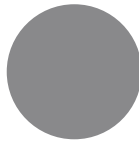
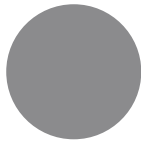
COLOUR	RAL 7032 <sup>5)</sup>	RAL 7035 <sup>1) 5)</sup>	RAL 7045	RAL 8011 <sup>1)</sup>	RAL 8012
Available in	Pebble grey Steel	Light grey Steel	Telegrey Steel	Nut brown Steel	Red brown Steel



COLOUR	RAL 8014	VINTAGE OAK	RUSTIC OAK	RAL 9002 <sup>1)</sup>	RAL 9006 <sup>1) 2)</sup>
Available in	Sepia brown Steel	Steel	Steel	Grey white Aluminium, Steel	White aluminium Aluminium, Steel










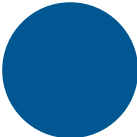

COLOUR	RAL 9007 <sup>1) 2)</sup>	ELOXAL OPTIK <sup>2) 3) 4) 5) 6)</sup>	TITAN OPTIK <sup>2) 3) 4) 5) 6)</sup>	RAL 9010 <sup>1)</sup>	GOLD BRUSHED <sup>5) 6)</sup>
Available in	Grey aluminium Aluminium, Steel	Aluminium	Aluminium	Pure white Aluminium, Steel	Aluminium









COLORCOAT PRISMA®

COLOUR	SIRIUS II <sup>6)</sup>	ORION II <sup>6)</sup>	ZEUS <sup>6)</sup>	RAL 3020 <sup>5) 6)</sup>	EPHYRA <sup>5) 6)</sup>
	65 mμ	65 mμ	65 mμ	65 mμ	65 mμ
Available in	Steel	Steel	Steel	Steel	Steel
					

COLOUR	KRONOS <sup>6)</sup>	HELIOS <sup>5) 6)</sup>	RAL 5010 <sup>5) 6)</sup>	SEREN GOLD <sup>5) 6)</sup>
	65 mμ	65 mμ	65 mμ	40 mμ
Available in	Steel	Steel	Steel	Steel
				

MATT ANODIZED®

COLOUR	CHAMPAGNER GREY II <sup>3) 5) 6)</sup>	STONE GREY II <sup>3) 5) 6)</sup>	BROWN GREY II <sup>3) 5) 6)</sup>	DEEP GREY II <sup>3) 5) 6)</sup>
Available in	Steel	Steel	Steel	Steel
				

1)

Colour shade only similar to RAL; matching of colour not guaranteed within a delivery, either.

2)

Rear protective lacquer provided with arrow marking! Colour differences can occur with the use of metallic paints due to the metal pigments.

3)

Matching of colours not guaranteed within a delivery, either!

4)

Clear lacquer

5)

Limited storage, longer terms of delivery

6)

Additional charge

The colour samples are printouts of the original colours, they represent the colour only similar.

# MONTACOLOR®

## START WITH THE RIGHT BASE

### BASIC MATERIALS

#### STEEL

S320GD zinc coating both sides  
Z275 or ZA255 according to DIN EN 10346  
or Magnesium-Zinc according to the building  
inspectorate approval.  
On demand available with additional coating.  
Weathered outdoor use only recommended in  
combination with additional coating.

#### ALUMINIUM

EN AW-3005 [AlMn1Mg0.5] or  
EN AW-3105 [AlMn0.5Mg0.5] or  
EN AW-5005 (AlMg1)  
according to DIN EN 485-2  
On demand available with additional coating.  
Weathered outdoor use only recommended in  
combination with additional coating.

#### STAINLESS STEEL

Corrosion-resistant stainless steel  
1.4526 to EN 10088-2  
High gloss surface  
Tolerances to EN ISO 9445  
Yield strength approx. 300 MPa

### MINIMUM QUANTITIES FOR SPECIAL PURCHASES

1250 mm: 7 t  
1500 mm: 28 t

1250 mm: 2 t (smaller quantities on request)  
1500 mm: 7 t

### REAR PROTECTIVE LACQUER

similar to RAL 9002  
Layer thickness 10-12 µm

similar to RAL 7035  
Layer thickness 4-6 µm

For objects where the colour of the rear protective lacquer is relevant, please enquire specifically, as it may differ from the above information.

### DELIVERY OPPORTUNITIES

Check the standard colours and material thicknesses in our MONTACOLOR® stock material list.

### STORAGE

[Blog post](#)  Proper storage: avoid damage to components

### PROTECTION FOIL

The protective film must always be removed as quickly as possible and, above all, completely.  
SWISS PANEL® profiles can be supplied without film on request. In these cases, slight scratches from production and/or transport cannot be ruled out and do not entitle the customer to give notice of defects.



## CHOOSE THE RIGHT COATING

Choosing the right coating for a facade profile is an important part of good building. Depending on where the building is constructed or what corrosive environmental conditions are present, different demands are made on the outer shell. Ask the Montana specialist. He will support you in choosing the right coating system!

### ALUMINIUM MILL FINISHED

This material is an ideal base material for finishing processes such as powder coating or wet painting. Products made of mill finished aluminium can develop a natural patina that turns out unevenly or is perceived as partial discolouration/staining. A specific decorative effect or surface finish is therefore not guaranteed. Any intermediate storage on the construction site must be protected from the weather and absolutely dry, regardless of the intended use, and must be kept as short as possible.

### STEEL GALVANISED

This material is suitable for indoor applications, such as ice halls. It is an ideal base material for finishing processes such as powder coating or wet painting. Galvanised steel may show differences in gloss or varying degrees of oxidation. A certain decorative effect or surface finish is therefore not guaranteed. Any intermediate storage on the construction site must be protected from the weather and absolutely dry, regardless of the intended use, and must be kept as short as possible.

### THIN COATING (DU)

~ 15 µm

Thin coating is polyester-based and applied with a thickness of approx. 15 µm. The colour is similar to RAL 9002 or RAL 9010. The rear is provided with light-coloured lacquer. In view of the low layer thickness, the colour shade cannot be guaranteed and colour uniformity cannot be guaranteed among the coils. The thin coating is mainly used on the inside of buildings as the inner skin of sandwich elements, coffers or bearing profiles. Thin coating is not suitable for outside use by virtue of weathering and corrosion signs occurring within a short period of time. This also applies to canopies or similar constructions.


### POLYESTER

~ 25 µm  / ~ 35 µm 

The polyester coating is a smooth layer based on polyester resins and can only be used in a non-aggressive environment. We supply this coating as standard with a layer thickness of approx. 25 µm. The exception are the two colours Vintage Oak and Rustic Oak, which are supplied with a layer thickness of 35 µm each. The rear side is always provided with a protective lacquer. A special version with a layer thickness of 25 µm on both sides is also available on request. The 25 µm polyester coating in steel is not suitable in perforated version for weathered outdoor applications. In this case, we recommend using aluminium 25 µm or Colorcoat Prisma® coated on both sides (on request).

### COLORCOAT PRISMA®

~ 40 – 65 µm

Colorcoat Prisma® uses the unique and proven Galvalloy® metallic coating. Galvalloy® is made with a special mix of 95% Zinc and 5% Aluminium. This composition offers an increased barrier and sacrificial protection and provides unrivalled corrosion protection, even at the cut edges. Colorcoat Prisma® is offered with the Confidex® Guarantee  for up to 40 years, and colour stability for up to 20 years for standard colours. We supply this coating with a layer thickness of about 40 µm, or about 65 µm (depending on the colour). Due to its robustness and durability, Colorcoat Prisma® is also recommended for roofs with a photovoltaic system. A special guarantee can also be applied for this application.

### PVDF

~ 35 µm

This special coating with an extremely low gloss level of approx. 2 % forms the basis for the Matt Anodized colour range. These trendy colours can be used to create matt and elegant facade surfaces with an anodised effect. With steel as the substrate material, the coating impresses with maximum flexibility in forming.

### COLORFARM®

~ 35 µm

Due to its excellent corrosion and chemical resistance, Colorfarm® is ideal for aggressive and very humid indoor areas with ammonia exposure (e.g. stables). The resistance of Colorfarm® against ammonia and many other chemicals occurring in agriculture has been tested. For this reason, we offer a functional guarantee of 20 years when using Colorfarm® for the interior of agricultural buildings. Colorfarm® is particularly suitable for the inside of rooms in combination with sandwich elements or profile structures.

### ADVANTICA® L CONTROL

~ 120 µm

Advantica® L Control is a proven and extremely durable coated steel for use in controlled environments. The outer layer is made of PVC and was developed in close cooperation with leading film manufacturers. The material is food safe and meets the strictest specifications for continuous contact with food. It is also extremely stain and corrosion resistant, anti-static, robust and suitable for long-lasting performance in high traffic areas.

Further coating systems for special requirements are available on request. Our sales team will be happy to advise you on this!

	POLYESTER 25 µm	POLYESTER 35 µm Vintage Oak, Rustic Oak	PRISMA® Helios, Kronos, Sirius II, Orion II, Zeus, Ephyra, RAL 3020, RAL 5010	Seren Gold	PVDF Champagner Grey II, Stone Grey II, Brown Grey II, Deep Grey II
Available in	Steel, Aluminium	Steel	Steel	Steel	Steel
Nominal coating thickness	~ 25 µm	~ 35 µm	~ 65 µm	~ 40 µm	~ 35 µm
Specular gloss (60°)	30 – 50 %	15-25 %	25 – 35 %	30 – 40 %	~ 2%
Flexibility	3 T	3 T	0.5 T	0.5 T	3 T
Corrosion resistance [1 – 5]	RC 3	RC 3	RC 5	RC 5	RC 3
UV resistance [1 – 4]	RUV3	RUV3	RUV4	RUV4	RUV4
Max. continuous temperature liability	Steel 90° / Alu 80°	80°	90°	90°	110°
Fire performance	A1	A1	A1	A1	A1

## FOR HIGHEST DEMANDS: COLORCOAT PRISMA®

New influences and creative trends as well as technical developments affect the building envelopes in terms of colours and designs. In this regard our holding company Tata Steel introduced an improved generation of Colorcoat Prisma® for roof and cladding profiles.

The latest evolution is based on a chromfree three-layer technology. The new Prisma satisfies and exceeds the highest demands for resistance of corrosion and UV, what affect positively the whole lifespan of building envelopes. Colorcoat Prisma® is also fully compliant with the REACH legislation.

Moreover there is a robust topcoat with a superior scratch and abrasion resistance for easier handling and processing. Due to the superior aesthetic properties of Colorcoat Prisma® the Confidex® guarantee can be ex-

tended up to 40 years; even including an uniquely colour guarantee! The guarantee is depending on the local situation and needs a preceding investigation.

Due to the unique quality and high life span Colorcoat Prisma® is the recommended and favoured coating system for photovoltaic installations. To provide building owners with total peace of mind and meet the extended requirements of sustainable buildings, the industry-leading Confidex® Guarantee has been extended to include the PV Addendum, which also includes the use of rear-ventilated photovoltaic elements. This means that the Confidex® warranty period covers at least the expected service life of the PV elements.



## AVOIDING COLOUR DIFFERENCES

Please note that all colours may be subject to deviations in the shade due to different material batches within defined tolerances; these has to be accepted. To minimize the colourshade differences, the order should be manufactured from a single batch. Montana Building Systems Ltd. is not liable for color differences between Montana's products and between products of Montana and other manufacturers. This applies to all colors and all pre-painted products. If different products or coatings are installed together and need to have the same colorshade, sampling and matching must take place before ordering.

Metallic and transparent finishes require special attention. When such coating are applied, Montana Building Systems Ltd. recommends that the single facade areas be taken into account in the order specifications so that these can be produced from one single batch of material. The metallic coatings have arrow marking on the backcoat or on the protective foil so as to clearly indicate the texture direction for the right mounting direction.



Pilatus Aircraft, Stans (CH)



# [www.montana-ag.ch](http://www.montana-ag.ch)

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