



A Tata Steel Enterprise

# MONTACOLOR®

Colour chart for profiles in aluminium and steel and sandwich panels



SWISS MADE<sup>+</sup>



Raiffeisenarena, Hägendorf (CH)

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**AVOIDING COLOUR DIFFERENCES**

## COLOUR. CREATIVITY. MONTACOLOR®.

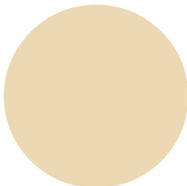
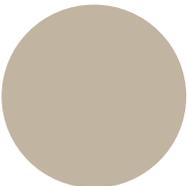
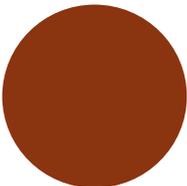
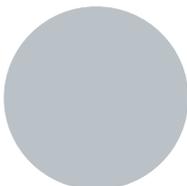
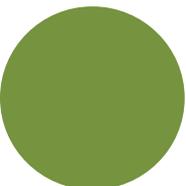
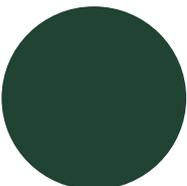
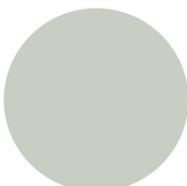
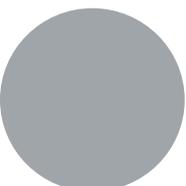
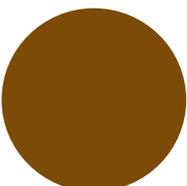
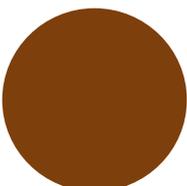
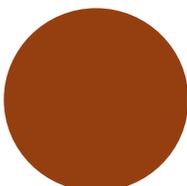
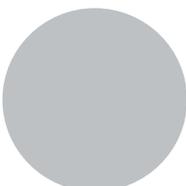
With Montana products, you can design your structure in an integrated manner. From the outer roof and supporting shell to cladding profiles and roof soffits, as well as external façades and interior walls – with elements available for different construction philosophies, such as rear-ventilated facades, 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.

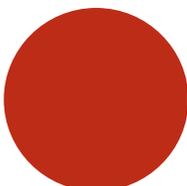
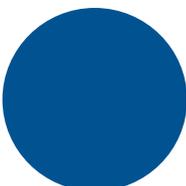
Montana Building Systems Ltd. offers an economical assortment, which is ready to be used for any creative idea by planners, architects and builders.

# COLOUR COLLECTION

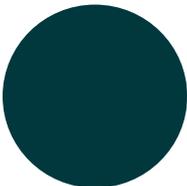
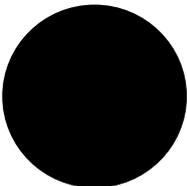
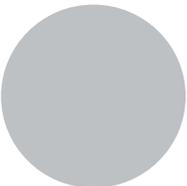
# STEEL

COLOUR	<b>RAL 1001</b> Beige	<b>RAL 1013</b> Oyster white	<b>RAL 1015 <sup>1)</sup></b> Light ivory	<b>RAL 1019</b> Grey beige	<b>RAL 3004</b> Purple red
					
COLOUR	<b>NCS 2710-B02G</b> Blue grey	<b>NCS 3020-R90B</b> Blue pale	<b>RAL 6011</b> Reseda green	<b>RAL 6020</b> Chrome green	<b>RAL 7016 <sup>1)</sup></b> Anthracite grey
					
COLOUR	<b>RAL 7032</b> Pebble grey	<b>RAL 7035 <sup>1)</sup></b> Light grey	<b>RAL 7045 <sup>5)</sup></b> Telegrey 1	<b>RAL 8011 <sup>1)</sup></b> Nut brown	<b>RAL 8012</b> Red brown
					
COLOUR	<b>RAL 8014</b> Sepia brown	<b>RAL 9002 <sup>1)</sup></b> Grey white	<b>RAL 9006 <sup>1)2)</sup></b> White aluminium	<b>RAL 9007 <sup>1)2)</sup></b> Grey aluminium	<b>RAL 9010 <sup>1)</sup></b> Pure white
					

## COLORCOAT PRISMA<sup>®</sup>

COLOUR	<b>SIRIUS II <sup>6)</sup></b> 65 m $\mu$	<b>ORION II <sup>6)</sup></b> 65 m $\mu$	<b>ZEUS <sup>6)</sup></b> 65 m $\mu$	<b>EPHYRA <sup>5)6)</sup></b> 65 m $\mu$	<b>SEREN GOLD <sup>5)6)</sup></b> 40 m $\mu$
					
COLOUR	<b>RAL 3020 <sup>5)</sup></b> 65 m $\mu$	<b>RAL 5010</b> 65 m $\mu$	<b>KRONOS <sup>6)</sup></b> 65 m $\mu$	<b>HELIOS <sup>5)6)</sup></b> 65 m $\mu$	
					

# ALUMINUM

<b>COLOUR</b>	<b>RAL 7016</b> <sup>1)</sup> Anthracite grey	<b>RAL 7021</b> Black gray	<b>METALLIC BLACK</b> <sup>2)3)5)</sup>	<b>RAL 7035</b> <sup>1)</sup> Light grey	<b>RAL 9002</b> <sup>1)</sup> Grey white
					
<b>COLOUR</b>	<b>RAL 9006</b> <sup>1)2)</sup> White aluminium	<b>RAL 9007</b> <sup>1)2)</sup> Grey aluminium	<b>ELOXAL OPTIC</b> <sup>2)3)4)5)6)</sup>	<b>TITAN OPTIC BRUSHED</b> <sup>2)3)4)5)6)</sup>	<b>RAL 9010</b> <sup>1)</sup> Pure white
					
<b>COLOUR</b>	<b>GOLD BRUSHED</b> <sup>5)6)</sup>				
					

- 1) Colour shade only similar to RAL; matching of colour not guaranteed within a batch, 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 batch, either!
- 4) Clear lacquer
- 5) Limited storage, longer delivery times
- 6) Additional charge



Pilatus Aircraft, Stans (CH)

# 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.

#### 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.

#### 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  
1500 mm: 7 t

### DELIVERY OPPORTUNITIES

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

## 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, different demands are made on the outer shell. Ask the Montana specialist. He will support you.

### THIN COATING (DU)

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, we cannot guarantee evenness of colour under 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.

### POLYESTER

Polyester coating is a smooth layer based on polyester resins and can only be used in a non-aggressive environment. We supply this coating with a layer thickness of approx. 25 µm as standard, with the rear always provided with a protective lacquer. A special type with a layer thickness of 25 µm on both the front and rear is also possible on request.

### PVDF

PVDF is a coating based on polyvinyl difluorides and other bonding agents. Our PVDF coating contains at least 70 – 80% polyvinyl difluorides. The PVDF coatings supplied by Montana Building Systems Ltd. are elastic and (mechanically) hard-wearing. They are equally durable and resistant to solvents, chemicals and UV radiation. The PVDF coatings are supplied with a layer thickness of approx. 25 µm as standard, with the rear always provided with a protective lacquer. A special type with a layer thickness of 25 µm on both the front and rear is also possible on request.

### COLORCOAT PRISMA®

Colorcoat Prisma® uses the unique and proven Galvalloy® metallic coating by Tata Steel. 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.

	POLYESTER 25 µm	PVDF 25 µm	PRISMA® Helios, Kronos, Sirius II, Orion II, Zeus, Ephyra, RAL 3020, RAL 5010	
			Steel	Seren Gold
Available in	Steel, Aluminium	Steel, Aluminium	Steel	Steel
Nominal coating thickness	~ 25 µm	~ 25 µm	~ 65 µm	~ 40 µm
Specular gloss (60°)	30 – 50 %	15 – 40 %	25 – 35 %	30 – 40 %
Flexibility	3 T	2 T	0.5 T	0.5 T
Corrosion resistance	RC 3	RC 3	≥ RC 5	≥ RC 5
Max. continuous temperature liability	Steel 90° / Alu 80°	Steel 100° / Alu 80°	Steel 90°	Steel 90°
UV resistance	Ruv3	Ruv4	≥ Ruv5	≥ Ruv5
Resistance against organic chemicals	2	3	4	4
Resistance against inorganic chemicals	3	4	4	4

## 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 a new generation of Colorcoat Prisma® for roof and cladding profiles.

The latest evolution is based on a revolutionary 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.

Moreover there is a robust topcoat with a superior scratch and abrasion resistance for easier handling and processing. Due to the unique quality and high life span Colorcoat Prisma® is the recommended and favoured coating system for photovoltaic installations.

Due to the superior aesthetic properties of Colorcoat Prisma® the innovative Confidex® guarantee can be extended up to 40 years; even including an uniquely colour guarantee! The guarantee is depending on the local situation and needs a preceding investigation. Colorcoat Prisma® is fully compliant with the REACH legislation.



## 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.



# www.montana-ag.ch

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