



A Tata Steel Enterprise

MONTACOLOR®

Colour chart for profiles in aluminium and steel and sandwich panels



SWISS MADE⁺



Raiffeisenarena, Hägendorf (CH)

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.

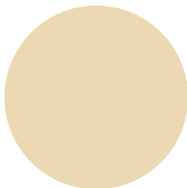


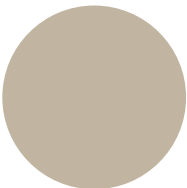
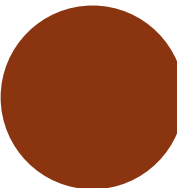
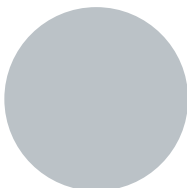
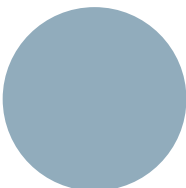
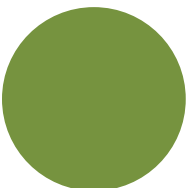
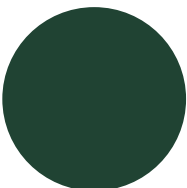
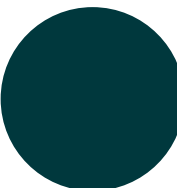
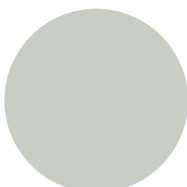

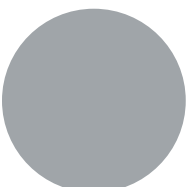
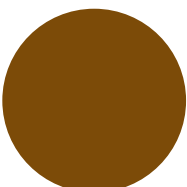
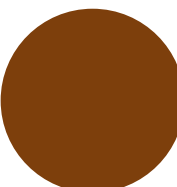
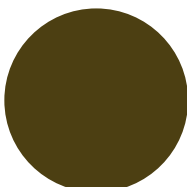

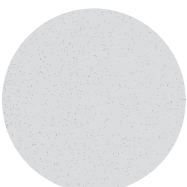
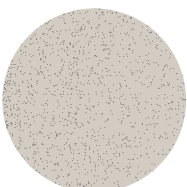

CONTENT

- 4 • **STEEL COLOURS**
- 5 • **MATT ANODIZED AND ALUMINIUM COLOURS**
- 6 • **CHOOSE THE RIGHT COATING**
Basic materials and coatings
- 7 • **COLORCOAT PRISMA®**
The coating for highest demands

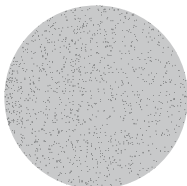
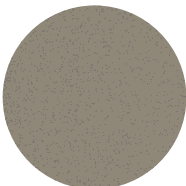
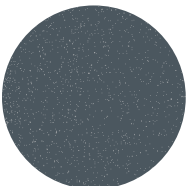
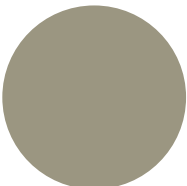

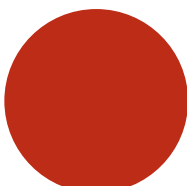
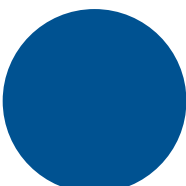
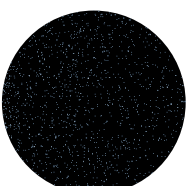
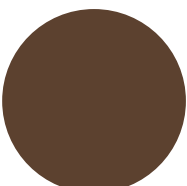
AVOIDING COLOUR DIFFERENCES

COLOUR COLLECTION

STEEL

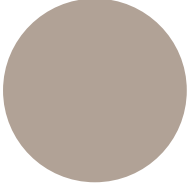
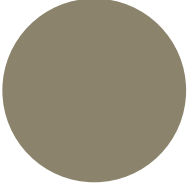
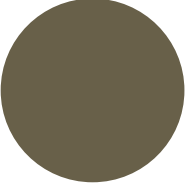
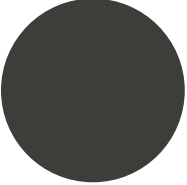
COLOUR	RAL 1001 ⁵⁾ Beige	RAL 1013 ⁵⁾ Oyster white	RAL 1015 ¹⁾ Light ivory	RAL 1019 Grey beige	RAL 3004 ⁵⁾ Purple red
					
COLOUR	NCS 2710-B02G ⁵⁾ Blue grey	NCS 3020-R90B ⁵⁾ Blue pale	RAL 6011 ⁵⁾ Reseda green	RAL 6020 ⁵⁾ Chrome green	RAL 7016 ¹⁾ Anthracite grey
					
COLOUR	RAL 7032 ⁵⁾ Pebble grey	RAL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

COLORCOAT PRISMA®

COLOUR	SIRIUS II ⁶⁾ 65 µm	ORION II ⁶⁾ 65 µm	ZEUS ⁶⁾ 65 µm	EPHYRA ⁵⁾⁶⁾ 65 µm	SEREN GOLD ⁵⁾⁶⁾ 40 µm
					
COLOUR	RAL 3020 ⁵⁾ 65 µm	RAL 5010 65 µm	KRONOS ⁶⁾ 65 µm	HELIOS ⁵⁾⁶⁾ 65 µm	
					

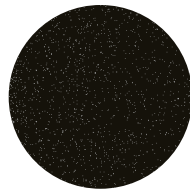
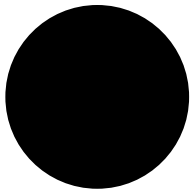
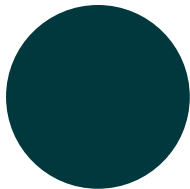
MATT ANODIZED

STEEL

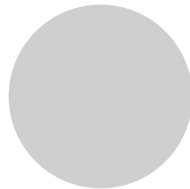
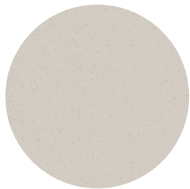
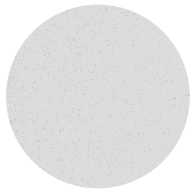
COLOUR	CHAMPAGNER GREY ³⁾⁵⁾⁶⁾	STONE GREY ³⁾⁵⁾⁶⁾	BROWN GREY ³⁾⁵⁾⁶⁾	DEEP GREY ³⁾⁵⁾⁶⁾
				

ALUMINUM

COLOUR	RAL 7016 ¹⁾ Anthracite grey	RAL 7021 Black gray	METALLIC BLACK ²⁾³⁾⁵⁾	RAL 7035 ¹⁾ Light grey	RAL 9002 ¹⁾ Grey white
--------	---	------------------------	----------------------------------	--------------------------------------	--------------------------------------



COLOUR	RAL 9006 ¹⁾²⁾ White aluminium	RAL 9007 ¹⁾²⁾ Grey aluminium	ELOXAL OPTIC ²⁾³⁾⁴⁾⁵⁾⁶⁾	TITAN OPTIC BRUSHED ²⁾³⁾⁴⁾⁵⁾⁶⁾	RAL 9010 ¹⁾ Pure white
--------	---	--	------------------------------------	---	--------------------------------------



COLOUR	GOLD BRUSHED ⁵⁾⁶⁾
--------	------------------------------



- 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

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.

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)

~ 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, 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

~ 25 µm

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

~ 25 µm

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®

~ 40 – 65 µm

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.

MATT ANODIZED

~ 35 µm

The special coating in Matt Anodized combines the trend towards elegant matt and nobly-looking façade surfaces. On steel as a carrier material, the coating convinces with highest flexibility in forming (1 T bending without cracks). Matt Anodized is a 2-layer coating with a thickness of 35µm. The gloss level is about 3%.

In addition, there are other coating systems for special requirements such as agricultural construction or for the food processing or chemical industry. These special coatings are characterized by a special structure, a modified surface structure or an increased layer thickness. These coatings are available upon request. Our sales team will be happy to advise you!

	POLYESTER 25 µm	PVDF 25 µm	PRISMA® Helios, Kronos, Sirius II, Orion II, Zeus, Ephyra, RAL 3020, RAL 5010	Seren Gold	MATT ANODIZED Champagner Grey, Stone Grey, Brown Grey, Deep Grey
Available in	Steel, Aluminium	Steel, Aluminium	Steel	Steel	Steel
Nominal coating thickness	~ 25 µm	~ 25 µm	~ 65 µm	~ 40 µm	~ 35 µm
Specular gloss (60°)	30 – 50 %	15 – 40 %	25 – 35 %	30 – 40 %	~ 3 %
Flexibility	3 T	2 T	0.5 T	0.5 T	1 T
Corrosion resistance [1 – 5]	RC 3	RC 3	RC 5	RC 5	RC 3
UV resistance [1 – 4]	RUV3	RUV4	RUV4	RUV4	RUV4
Max. continuous temperature liability	Steel 90° / Alu 80°	Steel 100° / Alu 80°	Steel 90°	Steel 90°	Steel 90°
Resistance against organic chemicals	2	3	4	4	2
Resistance against inorganic chemicals	3	4	4	4	3
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 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



Colour chart

www.montana-ag.ch

Trademarks of Tata Steel

Montana is a registered trademark of Tata Steel.

While care has been taken to ensure that the information contained in this publication is accurate, neither Tata Steel, nor its subsidiaries, accept responsibility or liability for errors or for information which is found to be misleading.

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

Copyright © 2020
Montana Bausysteme AG

MONTANA BAUSYSTEME AG
Durisolstrasse 11
CH-5612 Villmergen
+ 41 56 619 85 85
www.montana-ag.ch
info@montana-ag.ch

**MONTANA SYSTÈMES
DE CONSTRUCTION SA**
CH-1028 Préverenges
+ 41 21 801 92 92

MONTANA BAUSYSTEME AG
Zweigniederlassung
D-86845 Grossaitingen
+49 8203 95 90 555