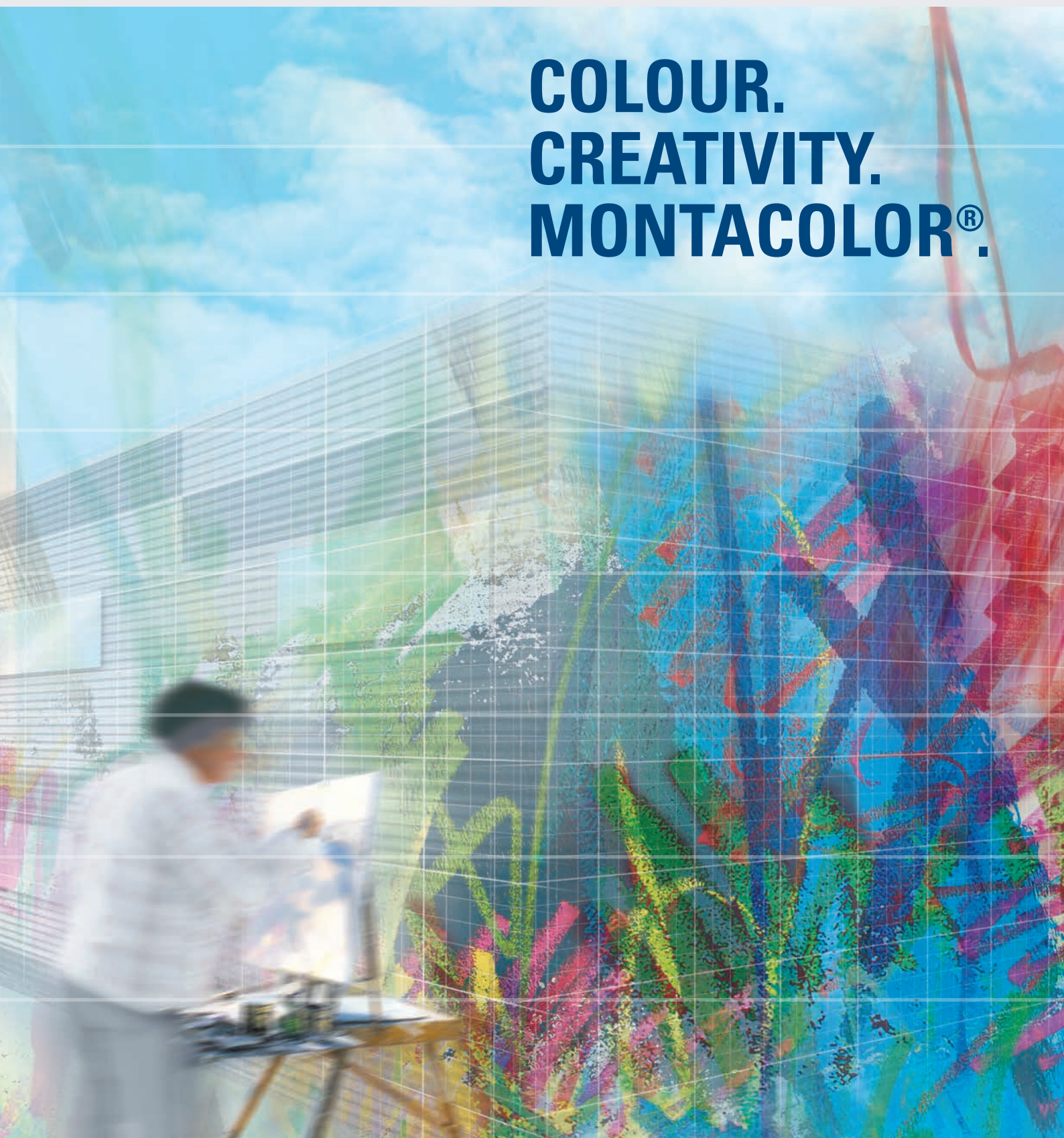




COLOUR. CREATIVITY. MONTACOLOR®.

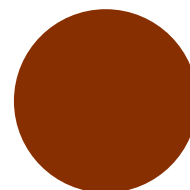
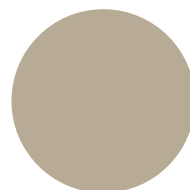
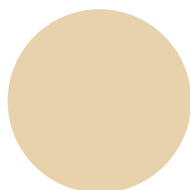


COLOUR CHART FOR ALUMINIUM, STEEL AND SANDWICH PROFILES

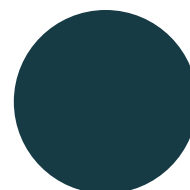
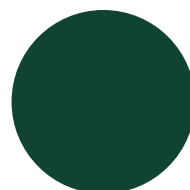
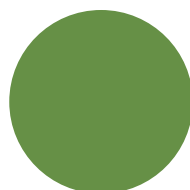
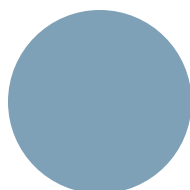
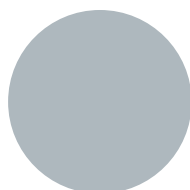
COLOUR COLLECTION

STEEL

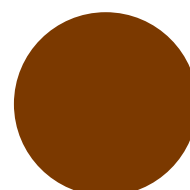
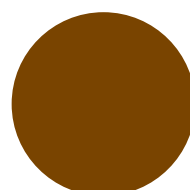
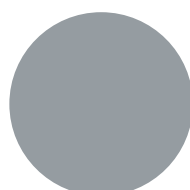
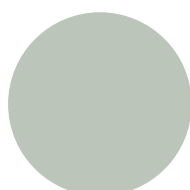
COLOUR	RAL 1001 Beige	RAL 1013 Oyster white	RAL 1015 ¹⁾ Light ivory	RAL 1019 Grey beige	RAL 3004 Purple red
	II	I	I	II	III



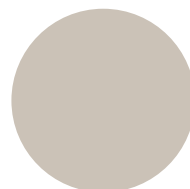
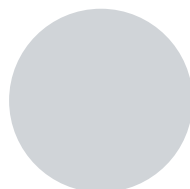
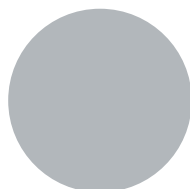
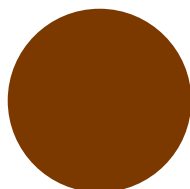
COLOUR	NCS 2710-B02G Blue grey	NCS 3020-R90B Blue pale	RAL 6011 Reseda green	RAL 6020 Chrome green	RAL 7016 ¹⁾ Anthracite grey
Farbgruppe	II	II	II	II	III



COLOUR	RAL 7032 Pebble grey	RAL 7035 ¹⁾ Light grey	RAL 7045 ⁵⁾ Telegrey 1	RAL 8011 ¹⁾ Nut brown	RAL 8012 Red brown
Farbgruppe	II	I	II	III	III

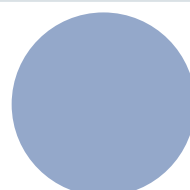
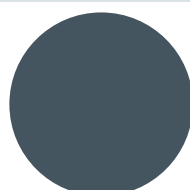
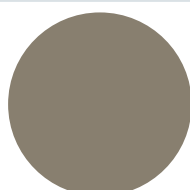
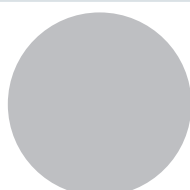


COLOUR	RAL 8014 Sepia brown	RAL 9002 ¹⁾ Grey white	RAL 9006 ^{1) 2)} White aluminium	RAL 9007 ^{1) 2)} Grey aluminium	RAL 9010 ¹⁾ Pure white
Farbgruppe	III	I	II	II	I

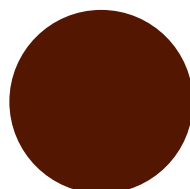
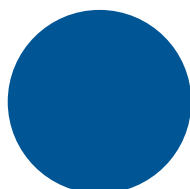
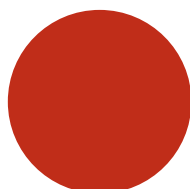


COLORCOAT PRISMA® 50 µm

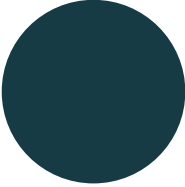
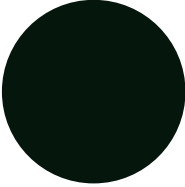
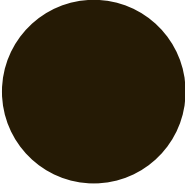

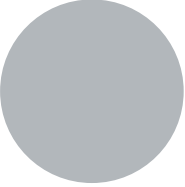
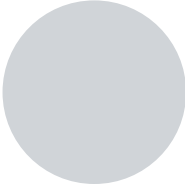
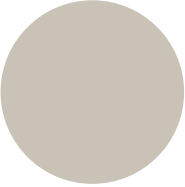
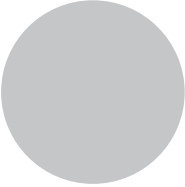
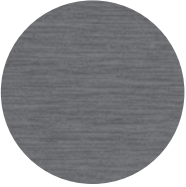


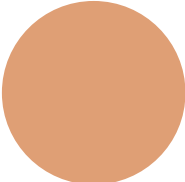
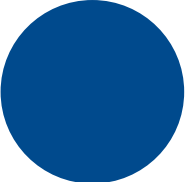
COLOUR	SIRIUS ^{2) 6)}	ORION ^{2) 6)}	ZEUS ^{2) 6)}	AQUARIUS ^{2) 6)}
Farbgruppe	II	II	III	II



COLOUR	RAL 3020 ⁵⁾ Traffic red	RAL 5010 Gentian blue	RAL 8017 ^{2) 6)} Chocolate brown
Farbgruppe	III	III	III



ALUMINUM

COLOUR	RAL 7016 ¹⁾	RAL 7021	METALLIC BLACK ^{2) 3) 5)}	RAL 7035 ¹⁾	RAL 9002 ¹⁾
	Anthracite grey	Black gray		Light grey	Grey white
Farbgruppe	III	III	III	I	I
					
COLOUR	RAL 9006 ^{1) 2)}	RAL 9007 ^{1) 2)}	ELOXAL OPTIC ^{2) 3) 4) 5) 6)}	TITAN OPTIC BRUSHED ^{2) 3) 4) 5) 6)}	RAL 9010 ¹⁾
	White aluminium	Grey aluminium			Pure white
Farbgruppe	II	II	I	III	I
					
COLOUR	GOLD BRUSHED ^{5) 6)}	LIGHT COPPER ^{4) 5) 6)}	RAL 5002 ^{1) 5) 6)}		
			Ultramarine Blue		
Farbgruppe	II	II	III		
					

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 delivery times

6) Additional charge

COATING TYPES

HOW TO CHOOSE THE RIGHT COATING

Choosing the right coating for a façade profile is an important part of good building.

Depending on where the building is constructed, different demands are made on the outer shell. The most important component is deemed to be the composition of the ambient air.

Surrounding commercial and industrial operations with emissions can require a corresponding coating, for example, but proximity to the coast or foreseeable mechanical loads also have an influence on the choice of this. Ask the Montana Building Systems specialist. He will help you.

BASIC MATERIALS

Steel

S320GD zinc coating both sides
Z275 or ZA255 according to DIN EN 10346 or Magnesium-Zinc according to the permission.

On demand with additional coating available to increase the corrosion protection class

Aluminium

EN AW-3004 [AlMn1Mg1] or
EN AW-3005 [AlMn1Mg0.5] or
EN AW-3105 [AlMn0.5Mg0.5]
according to DIN EN 485-2
On demand with additional coating available

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

GLOSS ACCORDING TO GARDNER (60°)

Prepainted steel
Polyester 30–60 %
PVDF 25–40 %
Colorcoat Prisma® 30–40 %
Prepainted aluminium
Polyester 35 %, PVDF 30 %

HEAT RESISTANCE

Polyester up to 80° C, PVDF up to 110° C (values by experience for inconstant temperatures)

CORROSION PROTECTION CLASS

Steel prepainted, according to DIN 55634
Polyester 25 µm until C4-L possible
PVDF 25 µm until C5-L possible
Prisma 50 µm to C5-M possible
(RC5 corrosion-resistance category)

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 light-coloured lacquer.

A special type with a layer thickness of 25 µm on both the front and rear is also possible on request.

COATING TYPES (CONTINUATION)

PVDF

PVDF is a coating based on polyvinyl difluorides and other bonding agents. The properties of this coating are determined mainly by the number of polyvinyl difluorides. Our PVDF coating contains at least 70–80% polyvinyl difluorides.

The PVDF coatings supplied by Montana Building Systems Ltd. are elastic and (mechanically) hardwearing.

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 light-coloured lacquer.

COLORCOAT PRISMA®

Colorcoat Prisma® 50 µm is designed around a thick-film coating formulation, providing a higher UV and corrosion resistance than PVDF. A high-performance primer provides excellent corrosion resistance, complemented by a robust top-coat with good scratch and abrasion resistance for easier handling and processing. Colorcoat Prisma® is a technically and aesthetically advanced product, allowing flexible colour choice with outstanding colour and gloss retention.

CORROSION GUARANTEE COLORCOAT PRISMA®

Wall and roof components up to 30 years. The guarantee depends on the local situation and requires analysis beforehand.

AVOIDING COLOUR DIFFERENCES

The so-called metallic finishes (such as RAL 9006 and RAL 9007) require special attention, with aluminium particles providing for a special gloss and colour effect which differs according to the material batch. When using this coating, Montana Building Systems Ltd. recommends that the façade areas be taken into account in the order specifications so that these can be produced from a single batch of material.

The metallics have arrow marking on the B side or on the protective foil so as to clearly indicate the texture direction for perfect fitting.

Please note that all colours may be subject to deviations due to different material batches within defined tolerances; these must be accepted. To avoid this, please have the order manufactured from a single batch.

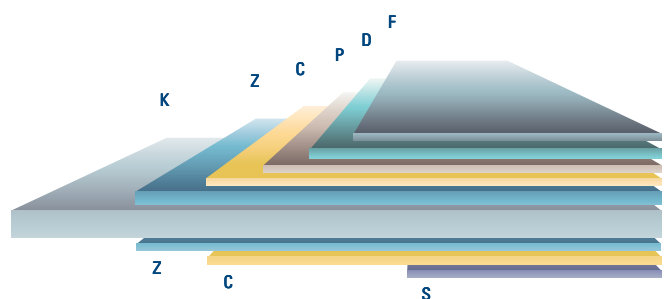
DELIVERY OPPORTUNITIES

You could check the standard colours, material thicknesses, developments and profiles in our colour chart MONTACOLOR®!

MINIMUM QUANTITIES FOR SPECIAL PURCHASES

1250 mm: Steel 7 t / Aluminium 2 t

1500 mm: Steel 15 t / Aluminium 7 t



K Core steel or aluminium
Z Galvanisation Z 275 (steel core only)
C Chemical surface pretreatment
P Primer 5 µm

D Polyester or PVDF prepainting 20 µm
F Protective sheet (optional)
S Protective paint on back



MONTACOLOR®
for a more colourful world

Although colours have been included in interior workplace design for a long time now, the conscious use of them as design elements on external facades has only become established over the past 20 years. Colours are a suitable and economical means of creating emphases and establishing identities.



Baer Aushub & Transporte, Mettmenstetten (CH)



Kraftwerk Niederaussem (DE)



Zuckerfabrik Frauenfeld (CH)



Gebinde Logistik Center AG, Villmergen (CH)



Kraftreaktor Klettereldorado, Lenzburg (CH)



MTG Sportinsel, Wangen im Allgäu (DE)



Gondrand AG, Basel (CH)



Neomat AG, Beromünster (CH)



Autobahnraststätte Quinto (CH)

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

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