



A Tata Steel Enterprise

MONTAFORM[®] Design.

Cladding profiles with visible and hidden fastening made of steel and aluminium



SWISS MADE⁺



CREATIVITY. INDIVIDUALITY. MONTAFORM DESIGN®.

It sounds unspectacular: MONTAFORM® Design profiles used for ventilated metal façades in new buildings and renovations – with visible or hidden fastening. The results for residential buildings, but also for industrial, commercial and public buildings speak for themselves. The façade design, decisively shaped, creates a positive attention. With numerous colours and the possibility of different perforation patterns, countless variations in façade design are possible. Architects and planners appreciate the huge variety of possibilities also offered by the vast coating options: Standard colours, special colours and even those with stripes can be realised.

MONTAFORM DESIGN® INDIVIDUAL

We go one-step further. If you cannot find the shape you are looking for in our wide range of products, we create your own individual profile, entirely upon your ideas with MONTAFORM® Design Individual. Numerous angular or round shapes are possible. Get your own idea at www.montana-ag.ch/mf-design-individual

SWISS MADE

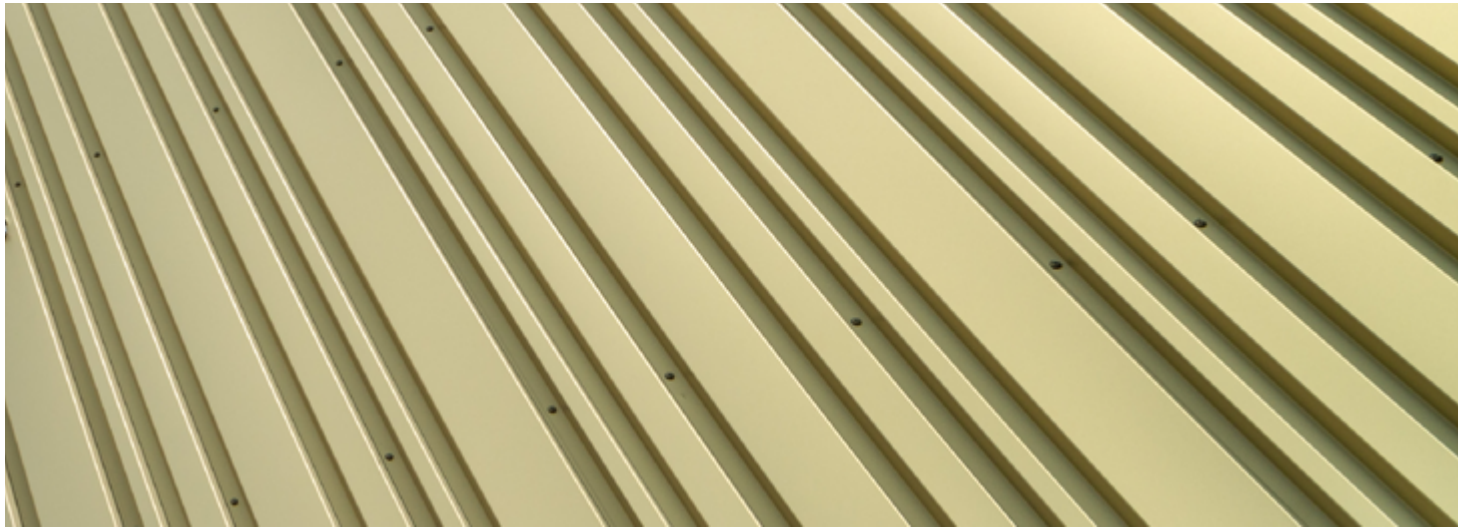
Montana products are Swiss products in premium quality that meet your and our very high standards – manufactured in our factory in Villmergen. You can also benefit from our decades of experience and Know-how.

We at Montana Building Systems Ltd. will be happy to advise you on how to implement your ideas.

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Important facts at a glance

MONTAFORM® DESIGN BOX

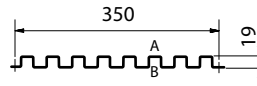
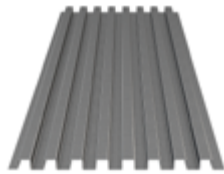


CLADDING PROFILES MADE OF STEEL AND ALUMINIUM

With visible and hidden fastening

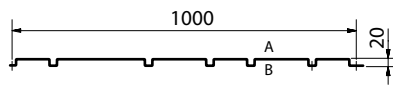
PROFILE

● MFD B 19-8/350



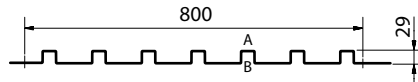
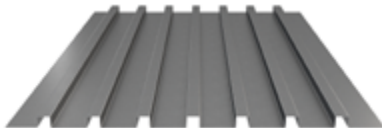
	THICKNESS mm			
	0.70	0.75	0.80	1.00
STEEL kg/m ²	9.91	10.63	11.34	14.17
ALUMINIUM kg/m ²	3.40		3.89	4.89

● MFD B 20-6/1000



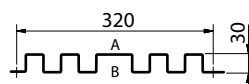
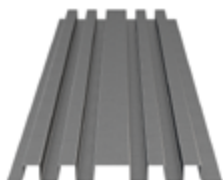
STEEL kg/m ²	6.94	7.44	7.94	9.92
ALUMINIUM kg/m ²	2.39		2.73	3.41

● MFD B 29-7/800



STEEL kg/m ²	8.68	9.30	9.93	12.40
ALUMINIUM kg/m ²	2.99		3.41	4.26

● MFD B 30-5/320

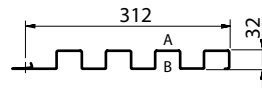
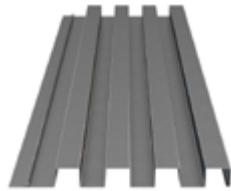


STEEL kg/m ²	10.84	11.63	12.41	15.50
ALUMINIUM kg/m ²	3.72		4.25	5.34

PROFILE

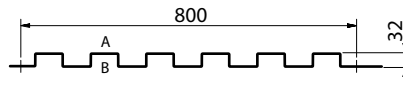
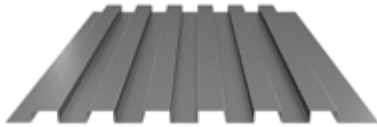
● MFD B 32-4/312 V

HIDDEN FASTENING



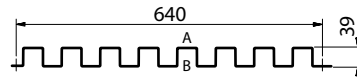
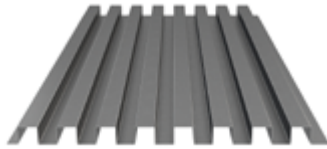
	THICKNESS mm			
	0.70	0.75	0.80	1.00
STEEL kg/m ²	11.12	11.92	12.72	15.90
ALUMINIUM kg/m ²	3.81		4.36	5.48

● MFD B 32-6/800



STEEL kg/m ²	8.68	9.30	9.93	12.40
ALUMINIUM kg/m ²	2.99		3.41	4.26

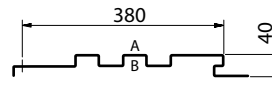
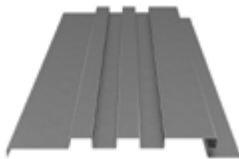
● MFD B 39-8/640



STEEL kg/m ²	10.84	11.63	12.41	15.50
ALUMINIUM kg/m ²	3.73		4.27	5.33

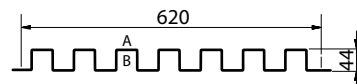
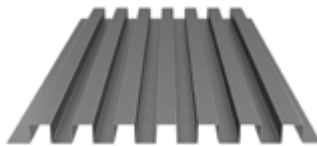
● MFD B 40-3/380 V

HIDDEN FASTENING



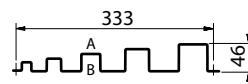
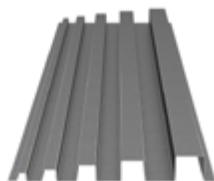
STEEL kg/m ²	9.13	9.79	10.45	13.05
ALUMINIUM kg/m ²	3.13		3.58	4.50

● MFD B 44-7/620



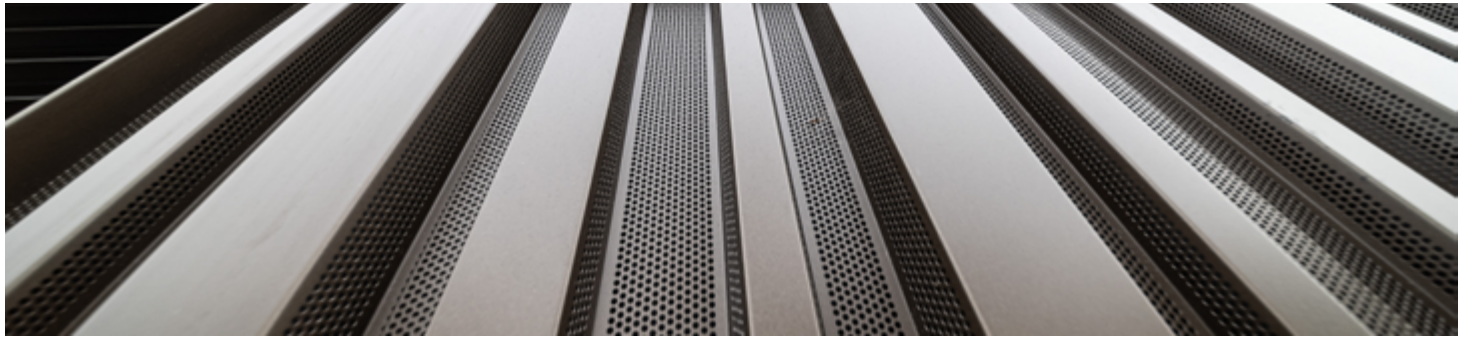
STEEL kg/m ²	11.19	12.00	12.81	16.00
ALUMINIUM kg/m ²	3.85		4.40	5.50

● MFD B 46-5/333



STEEL kg/m ²	10.42	11.17	11.92	14.89
ALUMINIUM kg/m ²	3.57		4.08	5.14

MONTAFORM® DESIGN TRAPEZOID

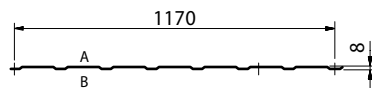


CLADDING PROFILES MADE OF STEEL AND ALUMINIUM

With visible and hidden fastening

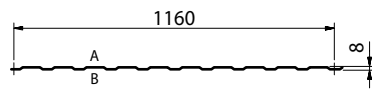
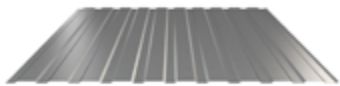
PROFILE

● MFD T 8-7/1170



	THICKNESS mm			
	0.70	0.75	0.80	1.00
STEEL kg/m ²	5.93	6.36	6.79	8.48
ALUMINIUM kg/m ²	2.04		2.33	2.91

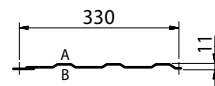
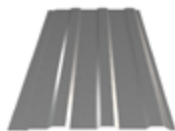
● MFD T 8-10/1160



STEEL kg/m ²	5.98	6.41	6.84	8.55
ALUMINIUM kg/m ²	2.06		2.35	2.94

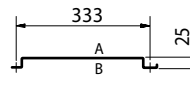
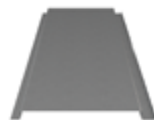
● MFD T 11-3/330 V

HIDDEN FASTENING



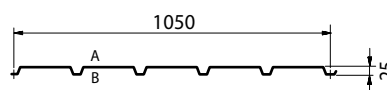
STEEL kg/m ²	6.97	7.45	7.94	9.94
ALUMINIUM kg/m ²	2.39		2.73	3.42

● MFD T 25-1/333



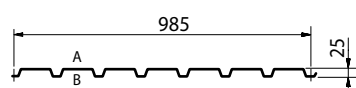
STEEL kg/m ²	6.91	7.39	7.87	9.85
ALUMINIUM kg/m ²	2.37		2.70	3.39

● MFD T 25-5/1050



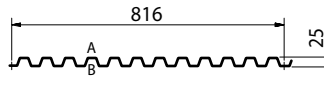
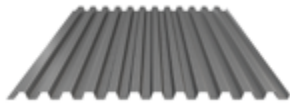
STEEL kg/m ²	6.61	7.09	7.56	9.45
ALUMINIUM kg/m ²	2.28		2.60	3.25

● MFD T 25-7/985



STEEL kg/m ²	7.05	7.55	8.06	10.07
ALUMINIUM kg/m ²	2.43		2.77	3.46

● MFD T 25-12/816



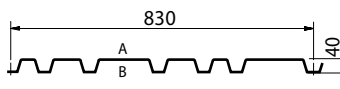
	0.70	0.75	0.80	1.00
STEEL kg/m ²	8.50	9.12	9.73	12.16
ALUMINIUM kg/m ²	2.93		3.35	4.18

● MFD T 34-6/1000



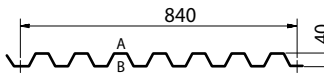
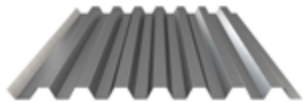
	0.70	0.75	0.80	1.00
STEEL kg/m ²	6.94	7.44	7.94	9.92
ALUMINIUM kg/m ²	2.39		2.73	3.41

● MFD T 40-6/830



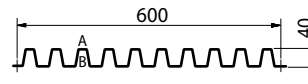
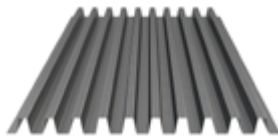
	0.70	0.75	0.80	1.00
STEEL kg/m ²	8.36	8.96	9.57	11.95
ALUMINIUM kg/m ²	2.88		3.29	4.11

● MFD T 40-7/840



	0.70	0.75	0.80	1.00
STEEL kg/m ²	8.26	8.86	9.45	11.81
ALUMINIUM kg/m ²	2.85		3.25	4.06

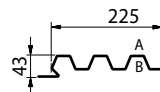
● MFD T 40-10/600



	0.70	0.75	0.80	1.00
STEEL kg/m ²	11.57	12.40	13.23	16.53
ALUMINIUM kg/m ²	3.98		4.55	5.68

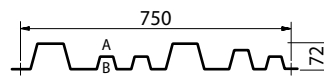
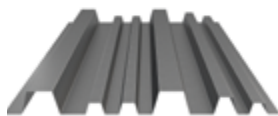
● MFD T 43-3/225 V

HIDDEN FASTENING



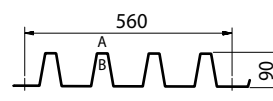
	0.70	0.75	0.80	1.00
STEEL kg/m ²	10.22	10.98	11.69	14.62
ALUMINIUM kg/m ²	3.51		4.00	5.02

● MFD T 72-6/750



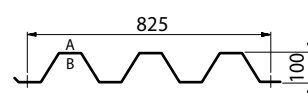
	0.70	0.75	0.80	1.00
STEEL kg/m ²	9.25	9.92	10.59	13.23
ALUMINIUM kg/m ²	3.19		3.64	4.55

● MFD T 90-4/560



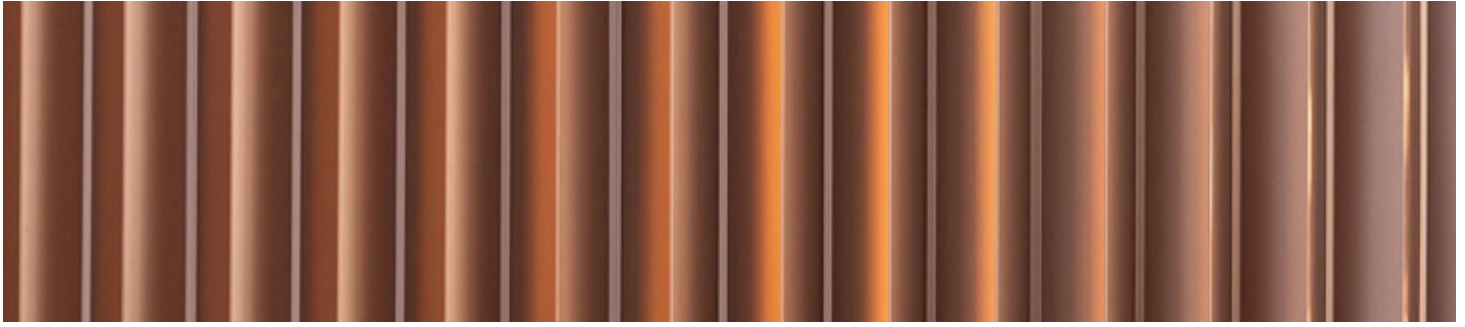
	0.70	0.75	0.80	1.00
STEEL kg/m ²	12.39	13.29	14.18	17.71
ALUMINIUM kg/m ²	4.27		4.88	6.09

● MFD T 100-3/825



	0.70	0.75	0.80	1.00
STEEL kg/m ²	8.41	9.02	9.62	12.02
ALUMINIUM kg/m ²	2.90		3.31	4.13

MONTAFORM® DESIGN JAGGED

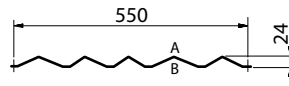
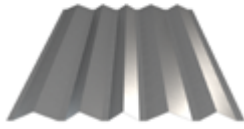


CLADDING PROFILES MADE OF STEEL AND ALUMINIUM

With visible or hidden fastening

PROFILE

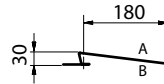
● MFD Z 24-5/550



	THICKNESS mm			
	0.70	0.75	0.80	1.00
STEEL kg/m ²	6.31	6.76	7.22	9.02
ALUMINIUM kg/m ²	2.16		2.47	3.11

● MFD Z 30-1/180 V

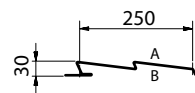
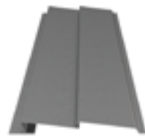
HIDDEN FASTENING



STEEL kg/m ²	9.44	10.11	10.83	13.50
ALUMINIUM kg/m ²	3.28		3.72	4.67

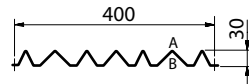
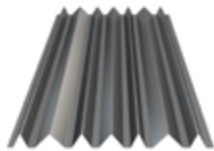
● MFD Z 30-2/250 V

HIDDEN FASTENING



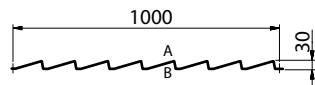
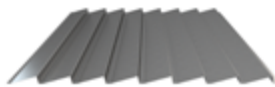
STEEL kg/m ²	9.20	9.84	10.48	13.12
ALUMINIUM kg/m ²	3.16		3.60	4.52

● MFD Z 30-7/400



STEEL kg/m ²	8.68	9.30	9.93	12.40
ALUMINIUM kg/m ²	2.98		3.40	4.28

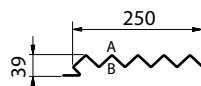
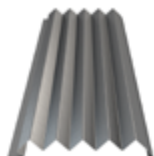
● MFD Z 30-8/1000



STEEL kg/m ²	6.94	7.44	7.94	9.92
ALUMINIUM kg/m ²	2.39		2.73	3.41

● MFD Z 35-5/250 V

HIDDEN FASTENING

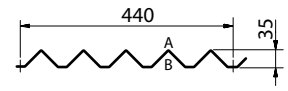
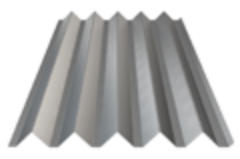


STEEL kg/m ²	9.20	9.88	10.52	13.16
ALUMINIUM kg/m ²	3.16		3.60	4.52

PROFILE

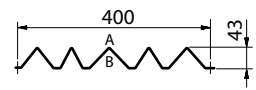
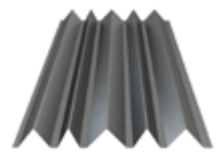
THICKNESS mm

● MFD Z 35-5/440



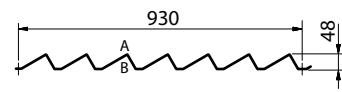
STEEL	●	●	●	●
kg/m ²	7.89	8.45	9.02	11.27
ALUMINIUM	●		●	●
kg/m ²	2.70		3.09	3.89

● MFD Z 43-5/400



STEEL	●	●	●	●
kg/m ²	8.68	9.30	9.93	12.40
ALUMINIUM	●		●	●
kg/m ²	2.98		3.40	4.28

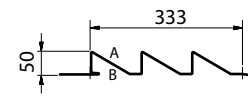
● MFD Z 48-7/930



STEEL	●	●	●	●
kg/m ²	7.46	8.00	8.54	10.67
ALUMINIUM	●		●	●
kg/m ²	2.57		2.94	3.67

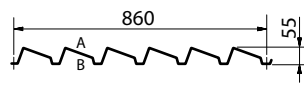
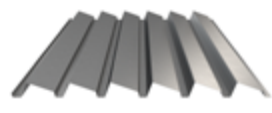
● MFD Z 50-3/333 V

HIDDEN FASTENING



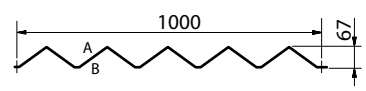
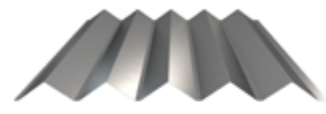
STEEL	●	●	●	●
kg/m ²	10.42	11.17	11.92	14.89
ALUMINIUM	●		●	●
kg/m ²	3.57		4.08	5.14

● MFD Z 55-6/860



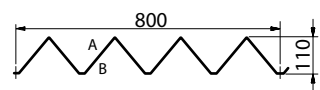
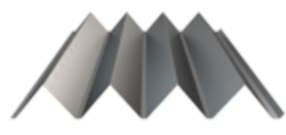
STEEL	●	●	●	●
kg/m ²	8.07	8.65	9.23	11.53
ALUMINIUM	●		●	●
kg/m ²	2.78		3.17	3.97

● MFD Z 67-5/1000



STEEL	●	●	●	●
kg/m ²	6.94	7.44	7.94	9.92
ALUMINIUM	●		●	●
kg/m ²	2.39		2.73	3.41

● MFD Z 110-4/800



STEEL	●	●	●	●
kg/m ²	8.68	9.30	9.93	12.40
ALUMINIUM	●		●	●
kg/m ²	2.99		3.41	4.26

ACCESSORIES

DESCRIPTION

- **RETAINING CLIP FOR MFD Z 35-5/250 V AND MFD T 43-3/225 V**



EXECUTION

- For exposed façade areas (e.g. in edge areas and buildings with high wind suction loads). The retaining clip prevents the closure from possibly slipping out. The video explains how to use it:



Wohnanlage Vogelsang, Dettingen (DE)



Sporthalle, Subingen (CH)



TECHNICAL INFORMATION

FITTING RECOMMENDATIONS

All MONTAFORM® Design profiles are always provided with a removable protective film. To ensure that visible dents do not occur when screwing down on flat booms, the MONTAFORM® Design profiles may only be fitted with face side A (weather side) to the exterior.

MONTAFORM® Design profiles can only be overlapped at the sides. In the planning, therefore, instead of a transverse overlap, appropriate end or reveal plates, pilaster strips or shadow joints are to be specified.

Fastening is carried out according to the guidelines for trapezoidal profiles with rustproof screws including sealing washers. The plane and clean alignment of the metal substructure is important for a perfect profile position and optimal aesthetics. This prevents the occurrence of stress waves and unwanted visual limitations.

The MONTAFORM® Design profiles fitted in the façade with a span width of 1.00 to 1.60 m. This specification as a guidance value for normal wind pressure and wind suction loads. In case of any doubt, please contact us – we will be happy to assist you in choosing the optimum profile and the corresponding structure.

STANDARD MATERIAL

Ex warehouse, see our delivery programme in the MONTACOLOR® colour card and the stock material list.

LENGTHS

From 300 up to 8000 mm, according to feasibility

LENGTH RECOMMENDATION

Steel: 4.0 m up to 6.0 m

Alu: 4.0 m up to 5.0 m / Perforated finish max. 4.0 m

TOLERANCES

Lengths up to 4 m: ± 3 mm

Lengths up to 6 m: ± 4 mm

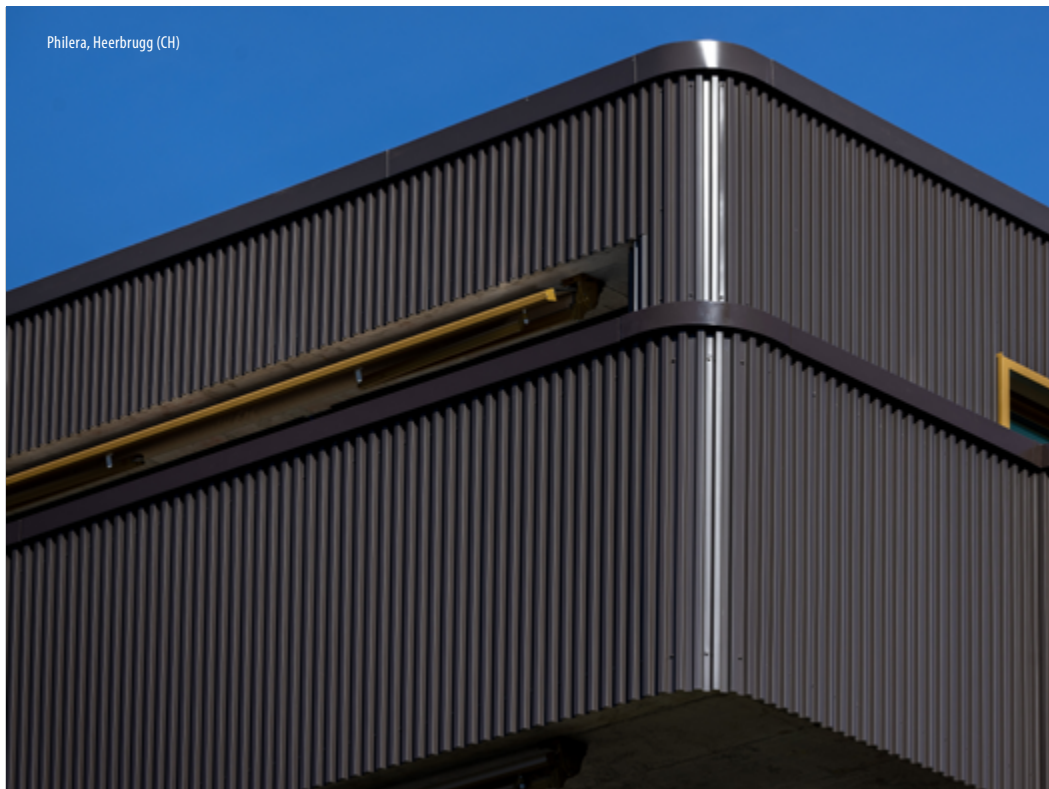
Lengths up to 8 m: ± 5 mm

Width: ± 2 % of the overall width

Height: ± 5 % of the profile height

Cross curvature: ± 10 % of the overall width

Philtera, Heerbrugg (CH)



SERVICE-ELEMENTS



STOCK MATERIAL LIST



TECHNICAL APPLICATION DRAWINGS FOR MFD Z 35-5/250 V



SUSTAINABILITY



SAMPLES



TENDERING TEXTES (CH)

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