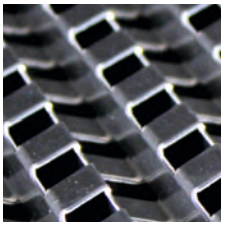
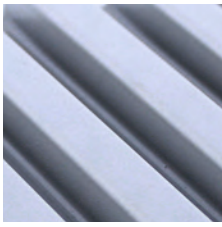
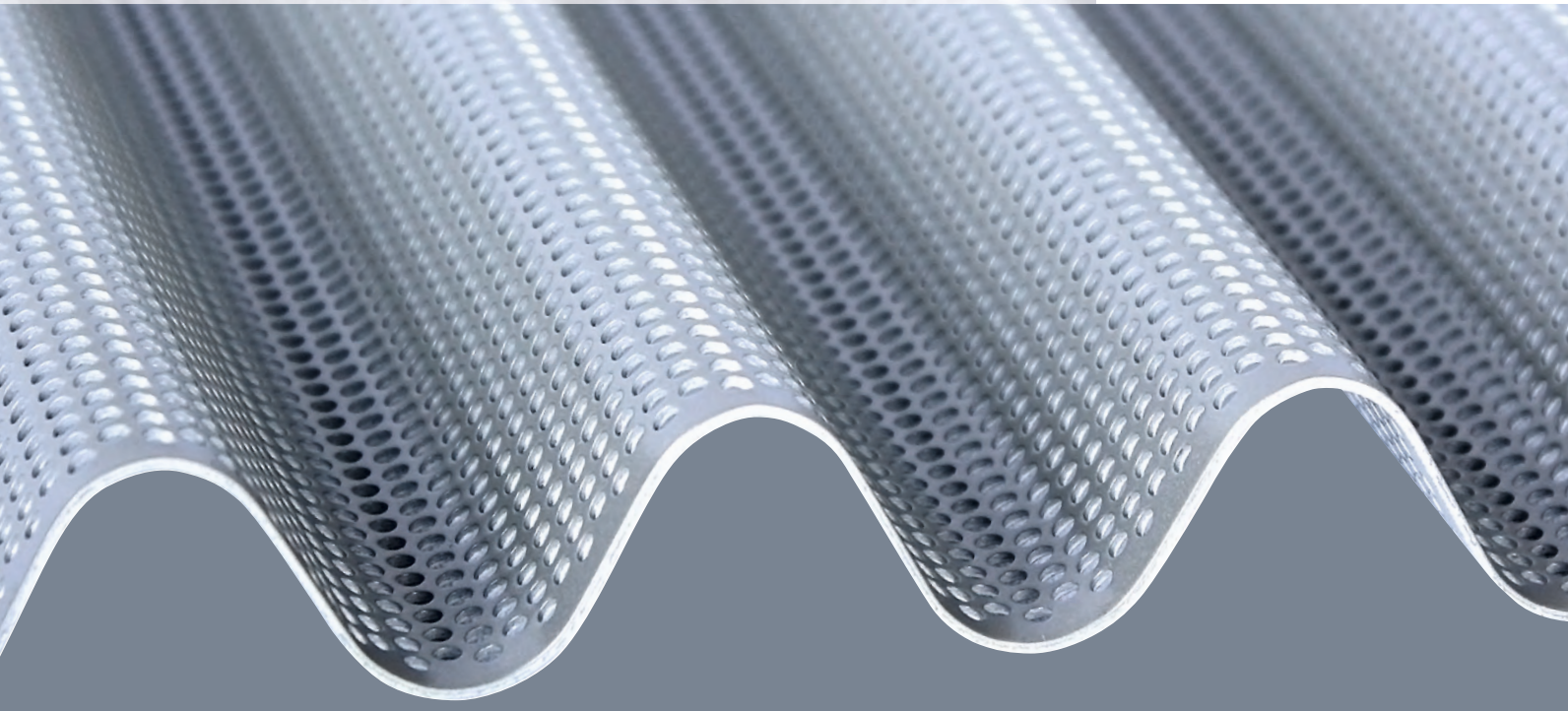
PRODUCT CATALOGUE

FACADE, ROOF AND COLUMN CLADDING







wellTEC® made by MN made in Germany

colTEC® made by MN made in Germany

planTEC® made by MN made in Germany

MN® Metall GmbH

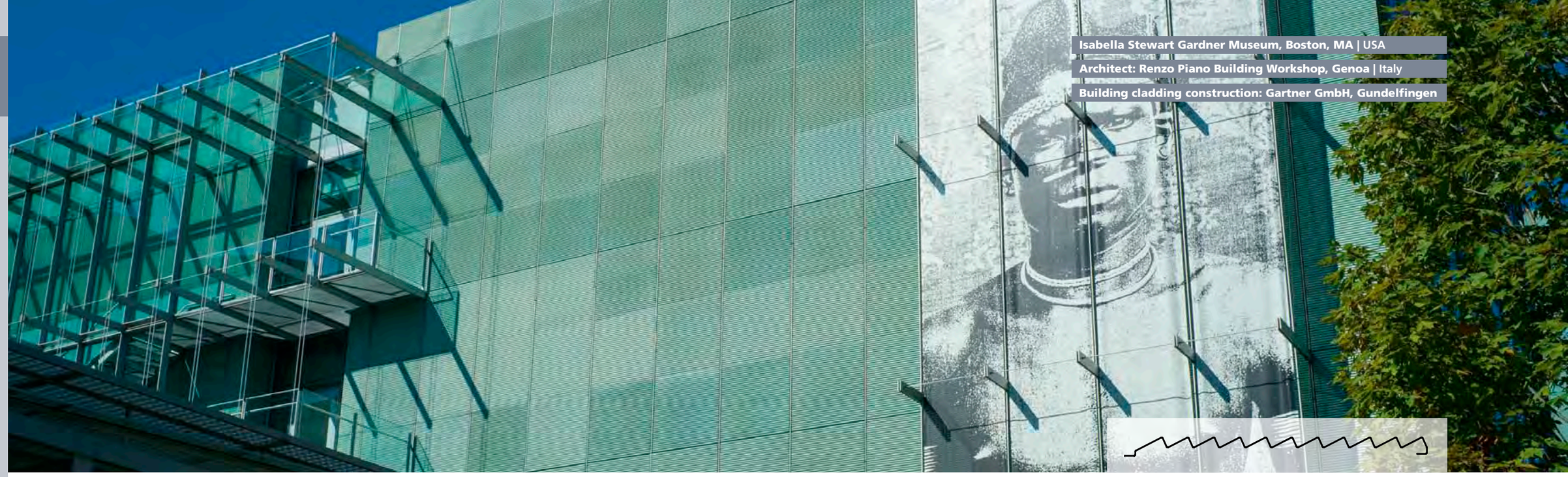
Coventry University | UK

WELCOME TO THE WORLD OF MODERN METAL PROCESSING

CONTENTS

wellTEC® profile SP3G-50/60 R-115, AlMg1, anodised

Exclusive architecture design, from small features to functional industrial buildings: *welcome to the world of MN Metall.*
In order to offer this service portfolio with the highest levels of quality, exceptional flexibility and expertise are required. At MN Metall, this already begins during the project design and consultation stages, and stretches through production all the way to logistics.
The focus is always on an impressive range of top-quality products. MN processes a wide variety of materials, including aluminium, stainless steel, copper, steel and titanium zinc with diverse surfaces. Thanks to cutting-edge technology, profile sheets can be produced in maximum sizes and minimum thicknesses. This results in high-quality sheets for facade design, modern column cladding, cassette panels and shingles, in addition to functional perforated and embossed sheets for walls or ceilings.
Discover the virtually endless options available for building cladding, too.
Learn more about our dimensionally precise system solutions or contact us if you require customised production.
Whether serial production or project business, MN Metall looks forward to taking care of your requirements with meticulous accuracy, creativity and reliability.

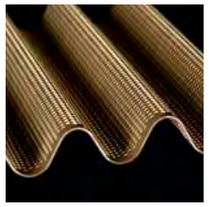


Isabella Stewart Gardner Museum, Boston, MA | USA
Architect: Renzo Piano Building Workshop, Genoa | Italy
Building cladding construction: Gartner GmbH, Gundelfingen

wellTEC® profile SZ-14/33, copper patina

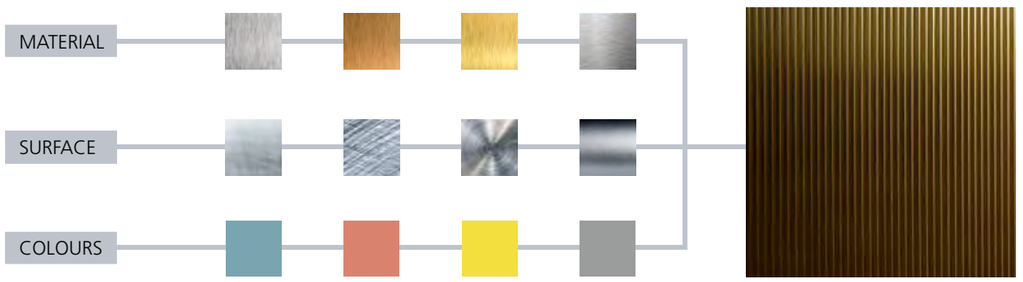
AS DIVERSE AS YOUR IDEAS

wellTEC® DESIGN PROFILES FOR FACADE, ROOF AND WALL

wellTEC® design sheets now distinguish an ever-increasing number of iconic buildings both at home and abroad due to the wide variety of products and the flexible profile processing that meets practically every requirement imaginable. From standardised corrugated, trapezoidal or zigzag profiles to customised production, wellTEC® is the ideal solution for modern building cladding. All metals are available with diverse surfaces, including variable grids and perforations.

Our expert team is also on hand to work with clients in the creation of customised, cost-effective solutions and designs, providing assistance all the way to production or even installation on suitable substructures. If you want to let your creativity run free in the design of your facades, roofs and walls without having to renounce high dimensional accuracy and product quality, wellTEC® design sheets by MN Metall are the solution for you!



MATERIAL RANGE

Every building project presents different requirements in terms of construction, sustainability and design. To cater for this, wellTEC® design sheets can be produced in all metals. This includes aluminium, stainless steel, copper, steel, titanium zinc, brass and all other metals.

SURFACE RANGE

You decide which surface presents the optimal solution. wellTEC® design sheets are available in every finish imaginable, from stained, polished and sandblasted to patterned, anodised or etched.

COLOUR RANGE

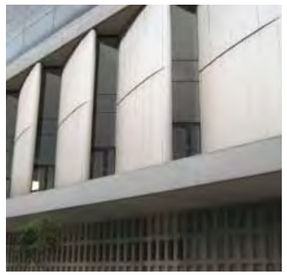
Everyone has different tastes. It's just as well, then, that alongside our exhaustive selection of materials and surfaces, we also offer an extensive array of colours. MN Metall supplies structures in all RAL colours and shades as high-quality PE or PVDF paints.

Ill.: Example selection only

Ahrenshoop art museum | Germany

Irregular zigzag profile SZ-25/50-R, reflective, brass

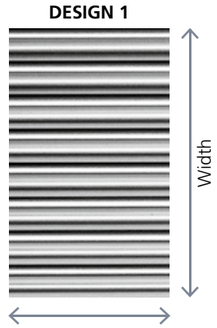
OTHER ADVANTAGES OF wellTEC®

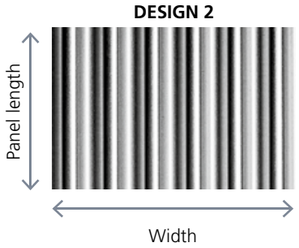


CUSTOMISED SOLUTIONS

Let your ideas run free. The wide range of options presented by wellTEC® results in more than 60 basic shapes that can be combined as required. It goes without saying that we can also tailor profiles in terms of length, dimensions, perforations and shapes to suit you. Upon request, wellTEC® design sheets can be produced in lengths or widths of up to 5,500 mm and in thicknesses from 0.5 mm to 5 mm. They are available with concealed fixtures and can be produced to meet the specific conditions of the construction site in question or supplied as complete components.
And if you are looking for special sizes in other materials, just let us know – we'd be delighted to help!

Corrugated sheets at Berlin-Spandau ICE train station





Station platform roofs, type GMP-1

WIDTH

Cutting-edge machine technology and a high degree of expertise enable the production of special sizes with low tolerances.

DESIGN 1
Width: ~1,000 mm (depending on profile shape)
Panel length: max. 3,000 mm or 5,500 mm
(depending on profile shape)

DESIGN 2
Width: max. 5,500 mm (depending on profile shape)
Panel length: max. 1,500 mm (depending on profile shape)

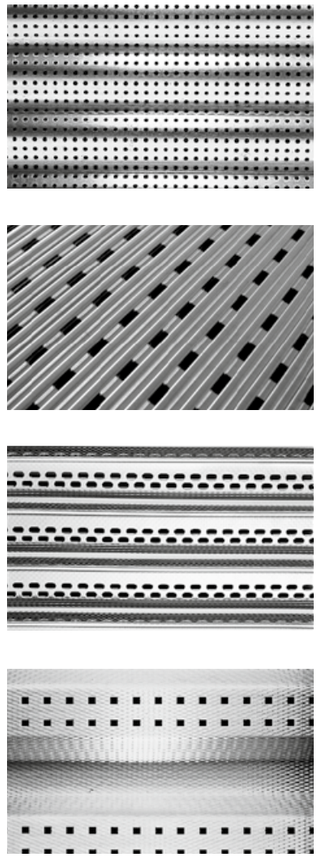
Nya Nordiska industrial building | Germany

Irregular special profile SQ-20/20-R, AlMg1, Sandalor® anodised

Canopy with precision butt joints for the entrance area of the ZKM Center for Art and Media in Karlsruhe

PERFORATIONS

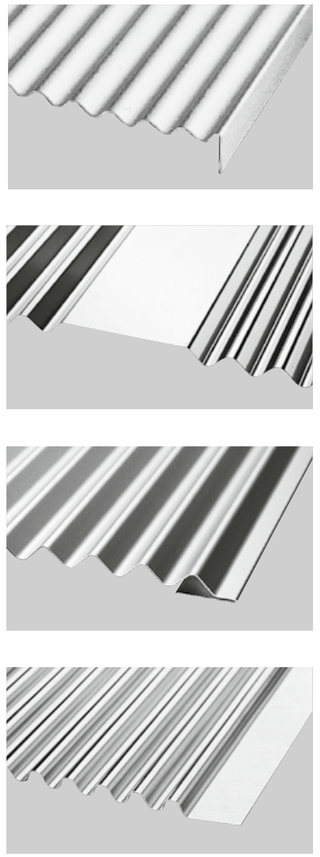
The sky is the limit in terms of functionality and design: sheets can be supplied with complete or partial perforations.



New exhibition halls, Cologne: Cladding with a high-quality AlMg polyester coating

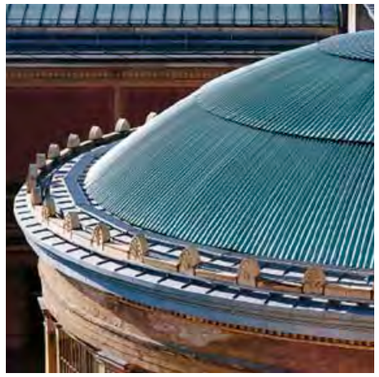
EDGING AND WEBS

wellTEC® profiles are distinguished by their variety of patterns and corrugated patterns.
These can be fixed with customised edging without the need for additional angles or sheets. This advantage also makes it easier to compensate for any unevenness in the construction.



Junior College Julianadorp | Netherlands

wellTEC® W-27/100, AlMg1, painted in two colours

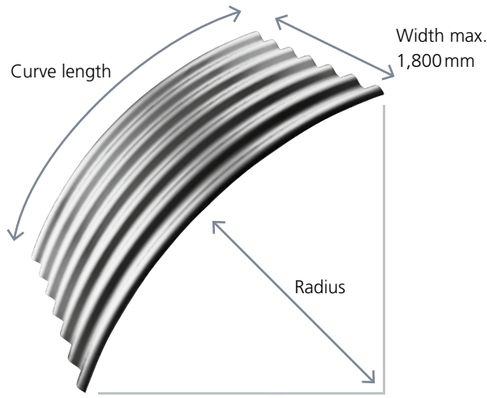


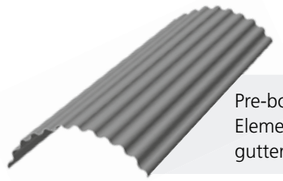
Dome of the Staatliches Museum in Schwerin, Mecklenburg-Western Pomerania

CURVES

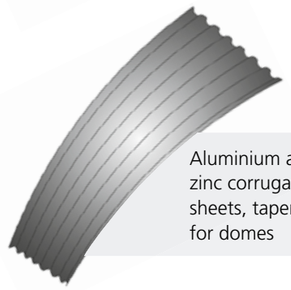
wellTEC® design sheets are also available in a 'bowed' version. These are used for tunnel linings, special railway wagons, canopies, etc. Bowed sheets are also available with tapering towards one end, also making wellTEC® an excellent option for cladding domes.

Sheet thicknesses:	t = 0.5–1.0 mm
Smallest radius	t = 0.5 mm = 3,000 mm
With sheet thickness:	t = 0.7 mm = 1,200 mm
	t = 1.0 mm = 1,000 mm





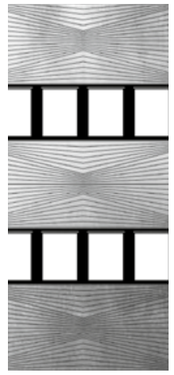
Pre-bowed wellTEC® Element for columns, gutters, etc.



Aluminium and titanium zinc corrugated bowed sheets, tapered to one side for domes

Facade cladding of the IMAX pyramid in Eilat, Israel

Practically all profile shapes are possible



DIAMOND PATTERN

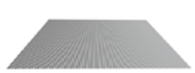
wellTEC® design sheets can be produced in practically all profile shapes. Depending on the requirements, a diverse range of diamond patterns can be used to create a bulky or fine surface structure.

wellTEC® **Group W** *Corrugated profile sheets*

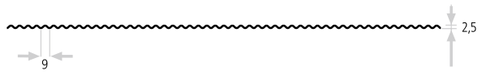
wellTEC® made by MN made in Germany

ARTICLE NUMBER	DRAWING	MAX. LENGTH IN MM
W-1.5/3	Also available bowed	3,000

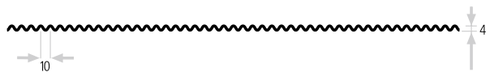
W-1.5/5	Also available bowed	3,000

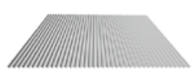


W-2.5/9	Also available bowed	3,000

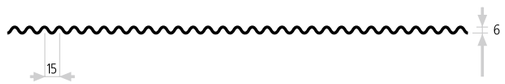


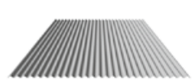
W-4/10		1,500



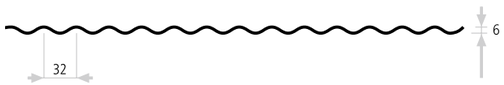


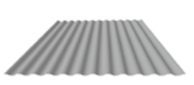
W-6/15	Also available bowed	3,000



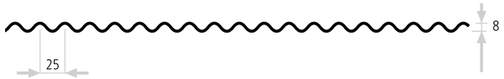


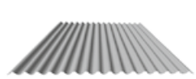
W-6/32	Also available bowed	5,500



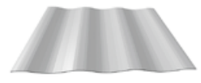


W-8/25	Also available bowed	5,500

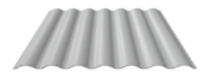




W-8/120	Also available bowed	5,500



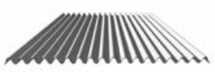
ARTICLE NUMBER	DRAWING	MAX. LENGTH IN MM
W-10/60	Also available bowed	5,500



W-15/40		5,500

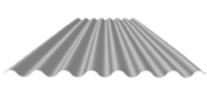
W-18/76	Also available bowed	5,500

W-20/40		5,500



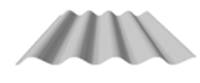
W-20/50		5,500

W-20/70		5,500



W-20/80		3,900

W-27/100	Also available bowed	5,500

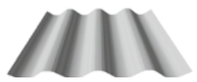


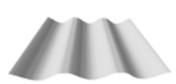
Scalloped and zigzag flashing for all profiles. The dimensions given for profile height and width are approximate only.

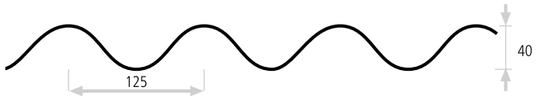
All of our welltec® products are also available in perforated versions with single-hole patterns, complete perforation, etc.

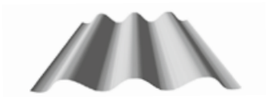
wellTEC® **Group W** *Corrugated profile sheets*

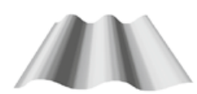
ARTICLE NUMBER	DRAWING	MAX. LENGTH IN MM
W-27/111	**Also available bowed**	**5,500**
W-30/135		**5,500**
W-40/125		**5,500**
W-42/160		**5,500**
W-45/60		**5,500**
W-45/129		**5,500**
W-45/150		**5,500**
W-48/100		**5,500**

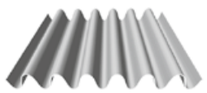


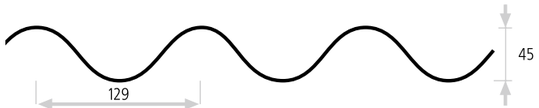


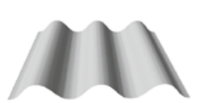


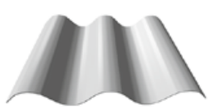


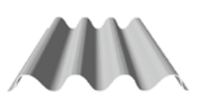








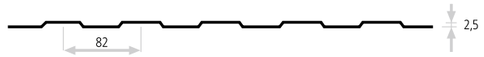


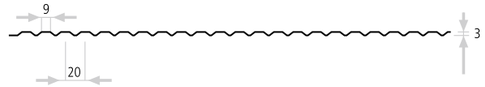


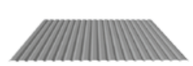
Scalloped and zigzag flashing for all profiles. The dimensions given for profile height and width are approximate only.

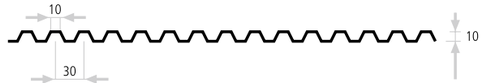
wellTEC® **Group T** *Trapezoidal profile sheets*

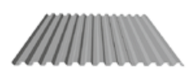
ARTICLE NUMBER	DRAWING	MAX. LENGTH IN MM
T-2.5/82		**5,500**
T-3/20		**3,000**
T-10/30		**3,000**
T-15/45		**3,000**
T-20/60		**5,500**
T-21/146		**5,500**
T-25/75		**5,500**
T-26/167		**5,500**

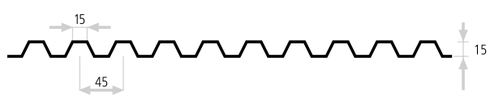


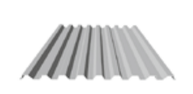


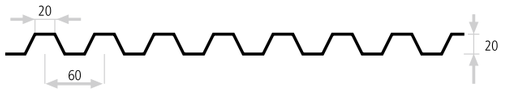


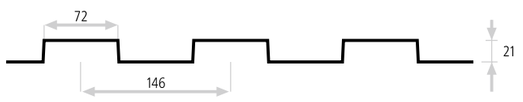


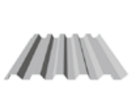


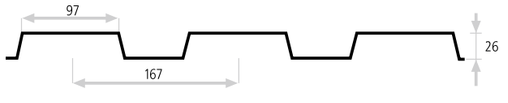






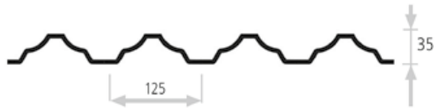
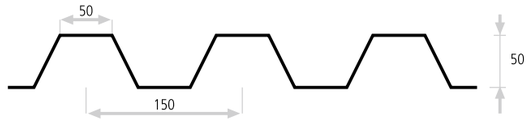
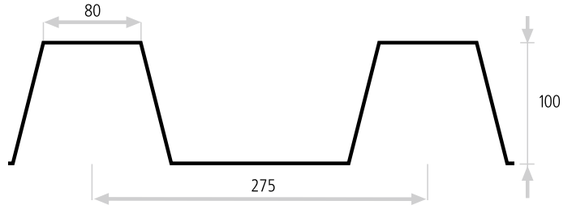






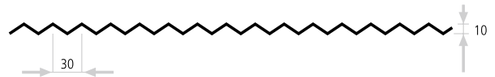
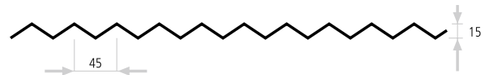
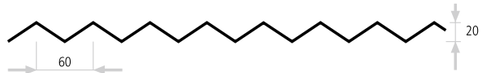
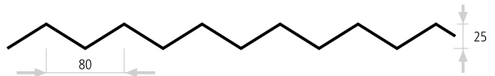
All of our welltec® products are also available in perforated versions with single-hole patterns, complete perforation, etc.

wellTEC® **Group T** *Trapezoidal profile sheets*

ARTICLE NUMBER	DRAWING	MAX. LENGTH IN MM
T-35/125		**3,000**
T-50/150		**5,500**
T-100/275		**5,500**

Scalloped and zigzag flashing for all profiles. The dimensions given for profile height and width are approximate only.

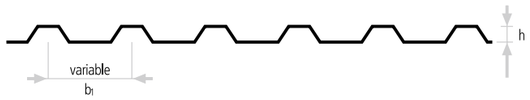
wellTEC® **Group Z** *Zigzag profile sheets*

ARTICLE NUMBER	DRAWING	MAX. LENGTH IN MM
Z-10/30		**3,000**
Z-13/26		**5,500**
Z-15/45		**3,000**
Z-20/40		**5,500**
Z-20/60		**3,000**
Z-25/80		**5,500**
Z-50/120		**3,000**

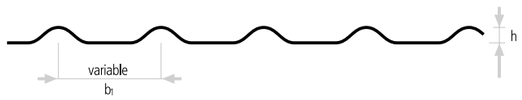
All of our welltec® products are also available in perforated versions with single-hole patterns, complete perforation, etc.

wellTEC® Group S *Special profile sheets*

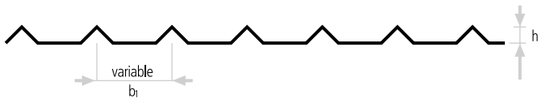
ARTICLE NUMBER	DRAWING	MAX. LENGTH IN MM
ST-H-R	**Also available bowed**	**3,000/5,500**



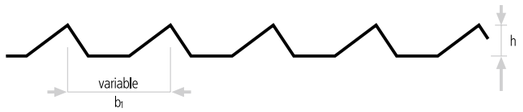
SW-H-R		**3,000/5,500**



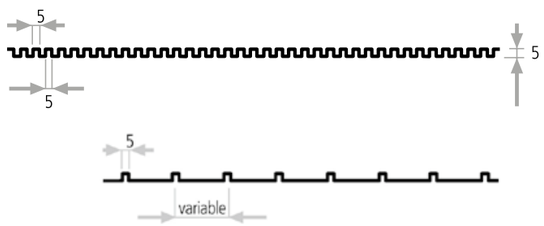
SZ-H-R		**3,000/5,500**

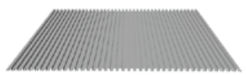


SZ-A-R		**3,000**

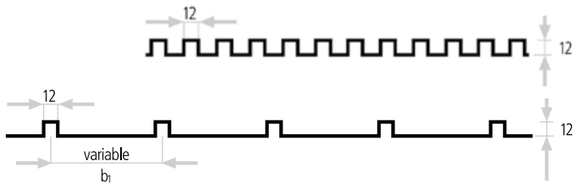


SQ-5/5-R		**3,000**



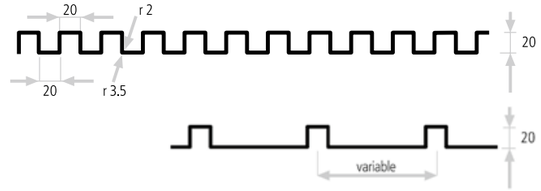


SQ-12/12-R		**5,500**

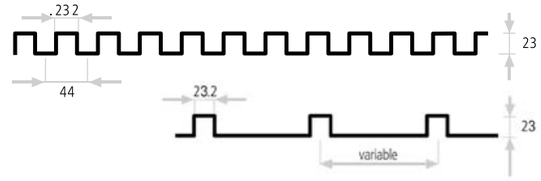


The basic shapes for Group S can be found in Groups W/T and Z. The axis dimensions given here are minimum dimensions.

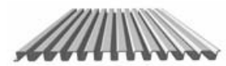
ARTICLE NUMBER	DRAWING	MAX. LENGTH IN MM
SQ-20/20-R		**5,500**



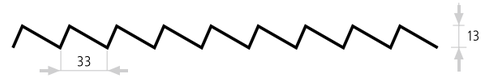
SQ-23/23		**5,500**



SQ-30/30		**5,500**



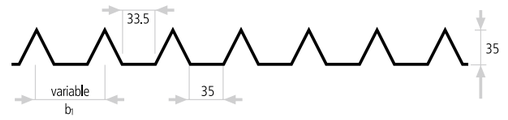
SZ-13/33		**2,500**



SZ-25/50-R		**5,500**

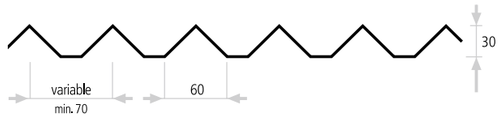
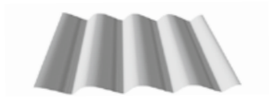
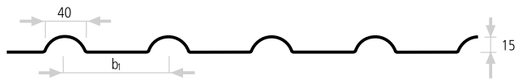
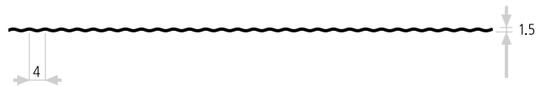
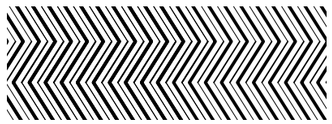
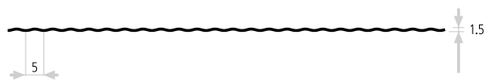
SZ-25/50-R	**Reflective**	**5,500**

SZ-35/35-R	**b_1 min. 68.50 mm**	**5,500**



In Group S, the basic shape axis dimensions can also be increased through the use of straight webs.

wellTEC® **Group S** *Special profile sheets*

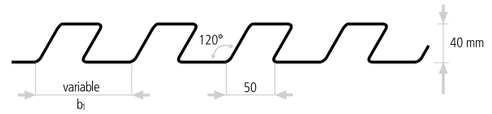
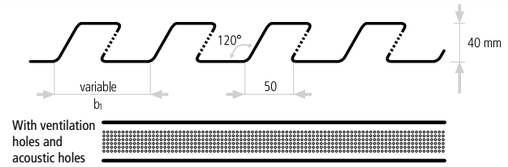
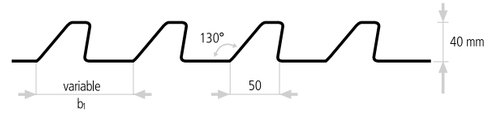
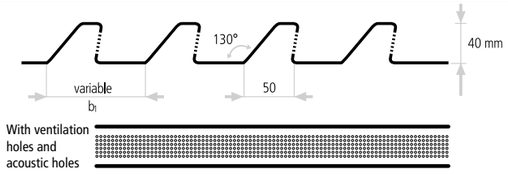
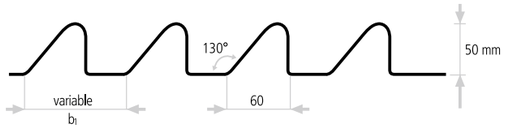
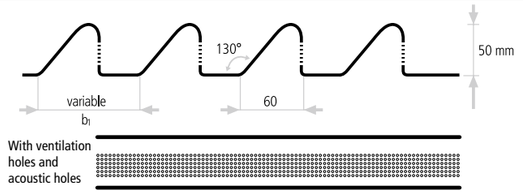
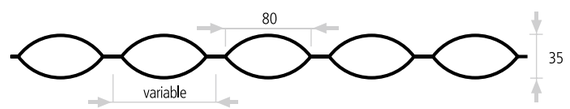
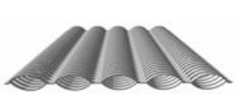
ARTICLE NUMBER	DRAWING	MAX. LENGTH IN MM
SZ-30/60-R		**5,500**
		
SZ-39/60-R	**b_1 min. 70 mm**	**5,500**
		
SW-25/113		**3,000**
		
SR-15/22-R		**3,000**
		
SR-15/40-R		**5,500**
		
ZW-1.5/4		**3,000**
		
WW-1.5/5		**3,000**
		

Scalloped and zigzag flashing for all profiles. The dimensions given for profile height and width are approximate only.

wellTEC® made by MN made in Germany

wellTEC® **Group SP** *Special profile sheets*

Registered design,number from the German Patent and Trade Mark Office (DPMA): 202 02 872.0

ARTICLE NUMBER	DRAWING	MAX. LENGTH IN MM
SP1-40/50-R	**b_1 min. 100 mm**	**4,000**
		
SP1G-40/50-R	**b_1 min. 100 mm**	**4,000**
		
SP2-40/50-R	**b_1 min. 75 mm**	**5,500**
		
SP2G-40/50-R	**b_1 min. 75 mm**	**5,500**
		
SP3-50/60-R	**b_1 min. 100 mm**	**3,000**
		
SP3G-50/60-R	**b_1 min. 100 mm**	**3,000**
		
SPW-35/80-R	**b_1 min. 100 mm**	**3,000**
		

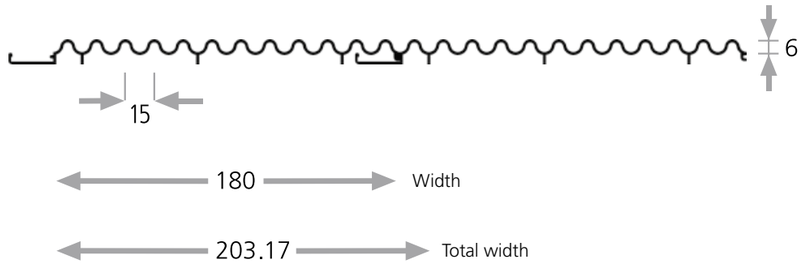
All of our welltec® products are also available in perforated versions with single-hole patterns, complete perforation, etc.

Extruded profiles

Extrusion enables the production of profiles with very complex shapes. MN processes a wide range of metals into extruded panels for use in the construction or automotive industries. Through powder coating, the profiles are also available in customised colours in accordance with the RAL and NCS charts.

ARTICLE NUMBER DRAWING

W-6/15 **Standard profile**



W-6/15 **Lower flashing**

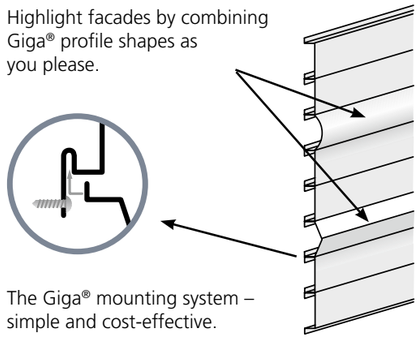
is inserted into profile W-6/15

Extruded panel W-6/15 incl. lower and upper flashings for concealed fitting

Giga® cassette systems

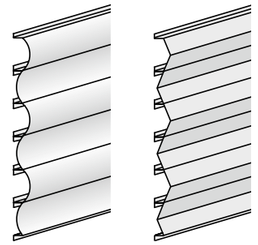
Giga® cassettes by MN Metall are variable modular systems. The cassettes are available in lengths of up to 3,000 mm. The profile forms shown in the product list form the basic MN range and are also available as a perforated version. Please do not hesitate to contact us if you have any questions.

Highlight facades by combining Giga® profile shapes as you please.



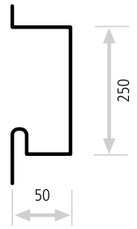
The Giga® mounting system – simple and cost-effective.

An alternating arrangement of convex and concave profiles also creates waves in new size dimensions.



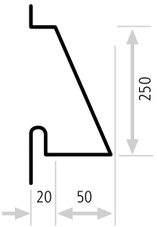
ARTICLE NUMBER DRAWING

G-E 50/250

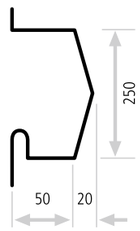


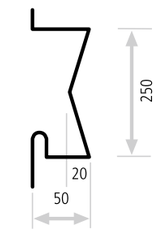
ARTICLE NUMBER

G-T 70/250

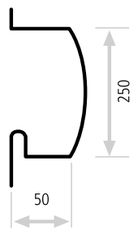


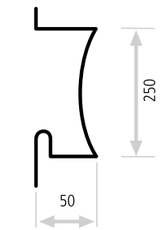
G-DA 70/250 **G-DI 50/250**





G-RA 70/250 **G-RI 70/250**



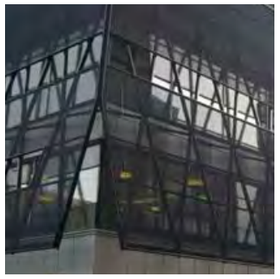


Cassette length of all Giga® cassette systems up to 6,000 mm

Amstetten Mauer therapy centre | Austria

DESIGN MEETS FUNCTIONALITY

planTEC® DESIGN PROFILES FOR WALLS, CEILINGS AND FLOORS



Hard Turm Park, Zurich

Hotel Prinz Albert, Luxembourg

Hotel Prinz Albert, Luxembourg

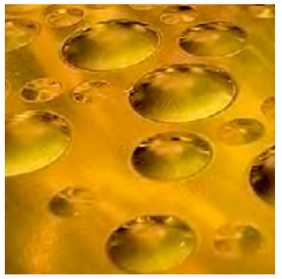
With their versatile patterns, planTEC® perforated and embossed sheets by MN offer an exhaustive range of cladding options for walls, ceilings and floors. With a regular structure, asymmetrical design or customised patterns, they not only serve as an optical eye-catcher, but also provide a high degree of functionality. For example, perforated sheets can be used for acoustic insulation and backlighting, whilst embossed sheets can be supplied with high load-bearing properties and can be used, for example, for non-slip stair and floor coverings.

The product overview presents just a few examples of the planTEC® range. In addition to standard perforations, MN also produces custom-designed, variable patterns using all sheet types and surface coatings. Ask us for advice without any obligation – we look forward to discussing your requirements with you!

DIVERSE PERFORATIONS AND EMBOSSING

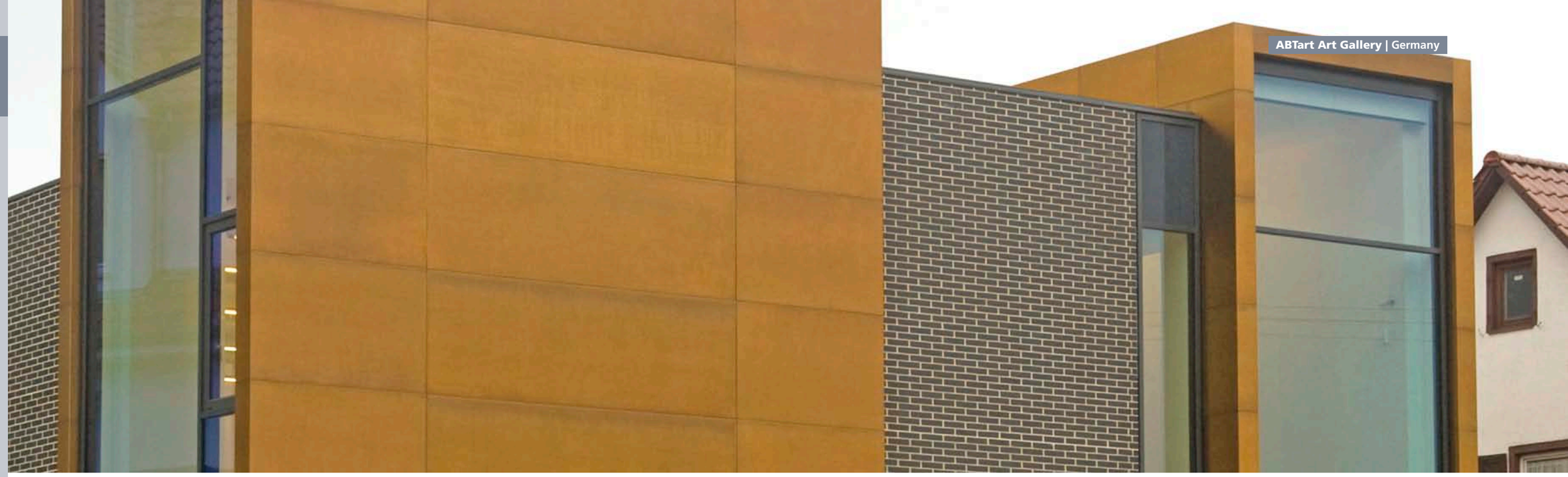
Perforations in offset rows

Round studs in offset rows



Round studs with various diameters and embossing depths

Thanks to our state-of-the-art production technology, we can create practically any perforated design. Whether round, square or long-hole perforations, clients have a variety of options concerning hole quantity and usable spaces. Ample scope for architecture and design is also provided by a wide selection of embossed patterns and combined shapes, such as perforations with embossing. Using our basic elements, such as a square perforation measuring 10 × 10 mm or a round stud with a basic diameter of 12 mm, you can generally determine the patterns by yourself by specifying the grid or distribution of irregular patterns and the position of individual elements.



ABTart Art Gallery | Germany

OTHER ADVANTAGES OF planTEC®

Window shutters/sun shade made of perforated sheet

IMPRESSIVE DIMENSIONS AND FLEXIBILITY

planTEC® perforated and embossed sheets are available in special lengths of up to 7,000 mm and material thicknesses up to 20 mm. Customised productions with extremely tight manufacturing tolerances are also possible. The diverse range of materials and possible applications of planTEC®, in addition to the high dimensional accuracy in production, demand the highest precision and flexibility when it comes to fixing. planTEC® perforated and embossed sheets can be fixed in a wide variety of ways in accordance with the specific construction conditions at hand. If desired, profiles can also be fitted with concealed fixings and can be produced to meet the specific conditions of the construction site in question or supplied as complete components.

Cassettes

Shingles

Perforated/embossed composite panels

MATERIAL RANGE

In interior design, style options are endless. This is why planTEC® perforated and embossed sheets can be produced using all metals. This includes aluminium, stainless steel, copper, steel, titanium zinc, brass and all other metals.

SURFACE RANGE

Your design ideas and functional requirements are important to us. As a result, planTEC® design sheets are available in all finishes, for instance stained, polished, sandblasted, textured, anodised or etched.

COLOUR RANGE

Stability and safety are paramount factors with planTEC® profiles by MN. High-quality paint in all RAL colours and shades guarantees a perfect appearance.

Galeria Kaufhof | Germany

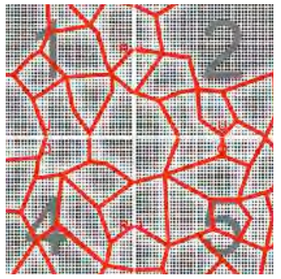
planTEC® system cassette, AlMg3, perforated
(Dimensions: 1,510 × 1,510 mm, thickness: 4 mm)

DETAILED PRINT PERFORATION

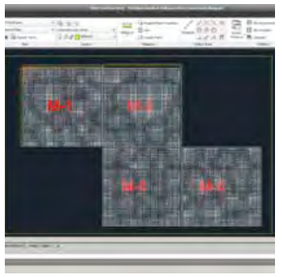
The times when building cladding was based on rigid grids are undoubtedly over. Now, with the help of print perforation technology, a large array of photos or graphics can be used as templates for facade elements. Thanks to cutting-edge machine technology, MN Metall embosses, cuts and perforates all metals, can be used with diverse surfaces and creates highly detailed designs. This enables architects to think more creatively and plan more freely in the development of facade cladding concepts.

During print perforation, original architect's drawings are generated by a CAD program that records all shapes, perforations and embossing. The result is digitally projected onto the building surface to be covered in order to simulate the effect and enable any readjustments to be made.
Next, the electronic pattern and structural data is transmitted to computer-controlled machines, which in turn create a detailed reproduction of the profiles. After their completion, the panels are custom-mounted onto the building substructure.

Photographic templates from the architect



Coordinate determination in CAD program

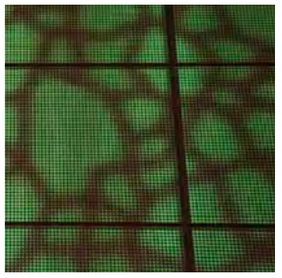


Division into parameters

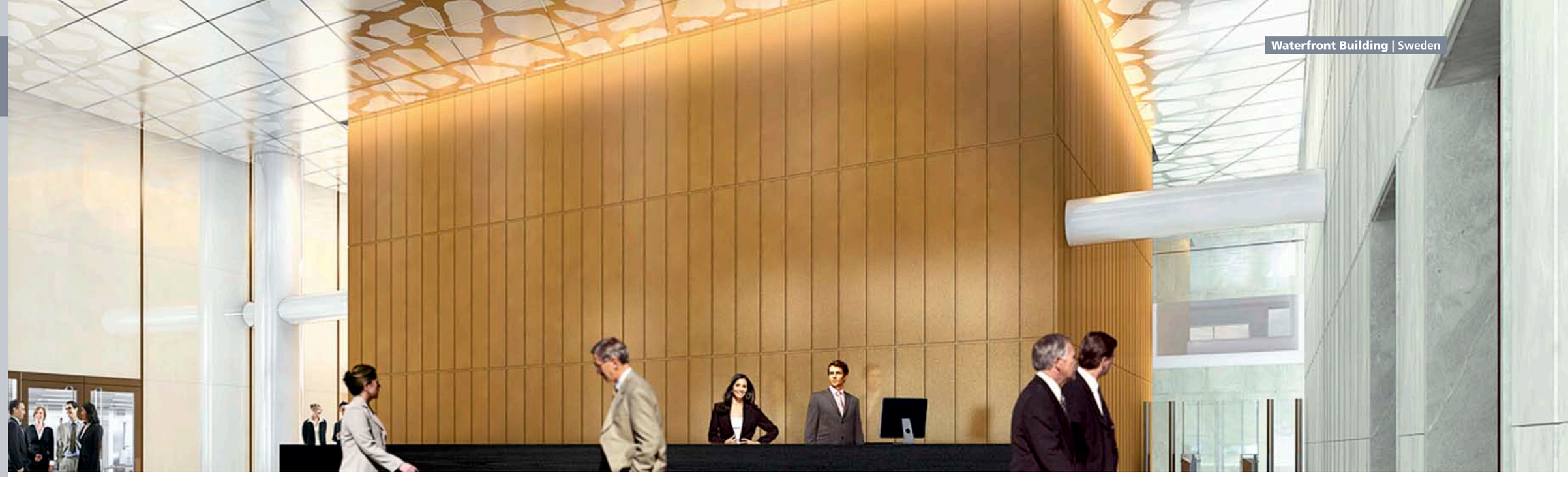
Thanks to print perforation, architects can use countless motifs as a template for facade cladding.
This results in extremely creative and intricate building surfaces.

Digital simulation

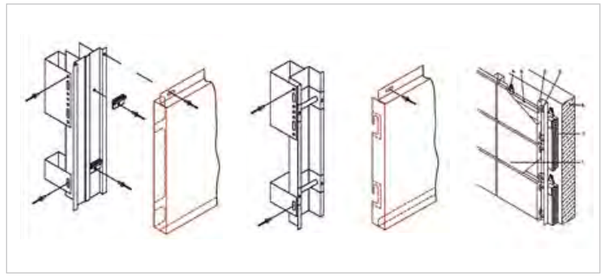
Computer-controlled, machine implementation



Custom-mounting of the panels



Waterfront Building | Sweden



SYSTEM CASSETTES

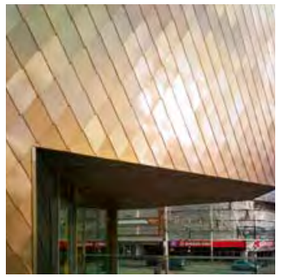
MN system cassettes can be produced from 2,000 mm coil width to a length of up to 6,000 mm and a material thickness of up to 6 mm. Both shape and size can be selected as required by the client, and smooth, perforated or embossed surfaces are all possible. wellTEC® and planTEC® products are generally compatible with all standard substructure systems from many well-known manufacturers. We offer special solution support during the development and production of customised substructures.

Waterfront Building, Stockholm/Sweden

Waterfront Building, Stockholm/Sweden

Waterfront Building, Stockholm/Sweden

Festival House | UK

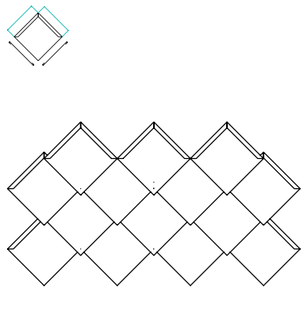


Metal facade with customised positive/negative embossing, creating diverse light reflections.

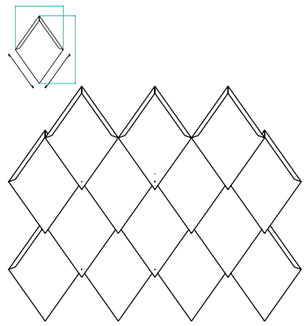
Diamond-shaped shingles system with special surface structure

SHINGLES

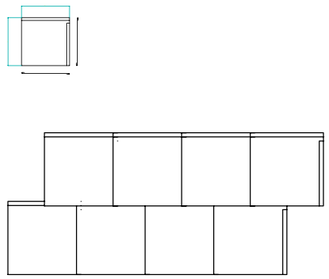
Shingles by MN Metall offer a high degree of flexibility. They can be customised in terms of height and width and are available with all design surfaces. The shingles are manufactured using aluminium, stainless steel, zinc or copper, and are fixed with the standard adhesion procedure. For metal shingles with circumferential seams, the roof or facade surfaces are given clearly organised linear or diagonal structures through a choice of grids.



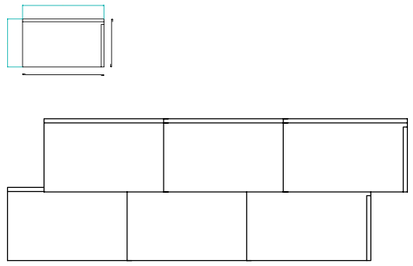
Checked shingle shape



Diamond shingle shape



Square shingle shape

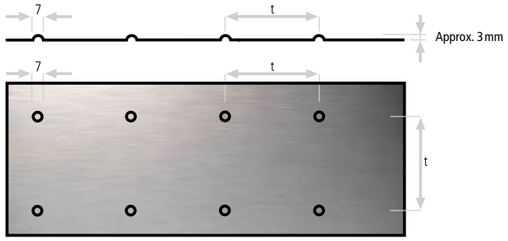


Rectangular shingle shape

Direct mounting

ARTICLE NUMBER | DRAWING | EXAMPLES

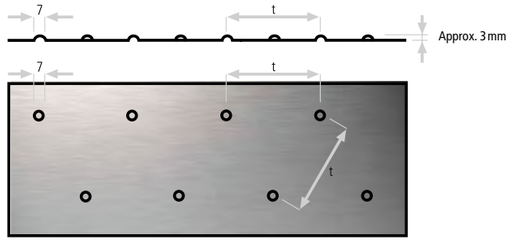
RNg 7-t — Round stud, straight, (ball-shaped)



t min. 40 mm
c = 1.5 mm

Formats:
1,000 × 2,000 mm
1,250 × 2,500 mm
1,500 × 3,000 mm

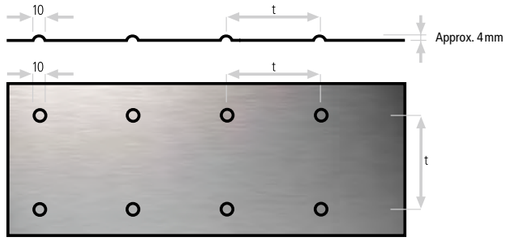
RNv 7-t — Round stud, offset, (ball-shaped)



t min. 40 mm
c = 1.5 mm

Formats:
1,000 × 2,000 mm
1,250 × 2,500 mm
1,500 × 3,000 mm

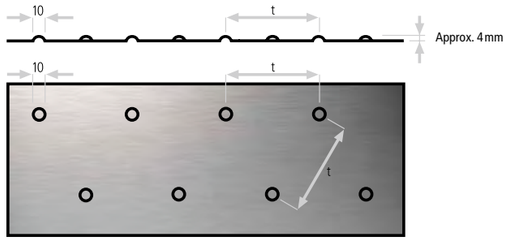
RNg 10-t — Round stud, straight, (ball-shaped)



t min. 50 mm
c = 1–2 mm

Formats:
1,000 × 2,000 mm
1,250 × 2,500 mm
1,500 × 3,000 mm

RNv 10-t — Round stud, offset, (ball-shaped)



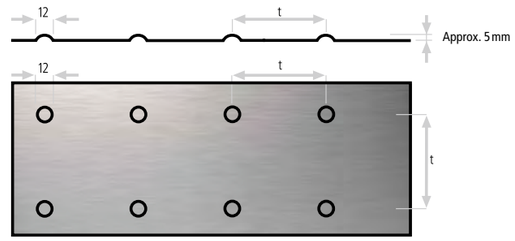
t min. 50 mm
c = 1–2 mm

Formats:
1,000 × 2,000 mm
1,250 × 2,500 mm
1,500 × 3,000 mm

planTEC® Types of embossed sheets

ARTICLE NUMBER | DRAWING | EXAMPLES

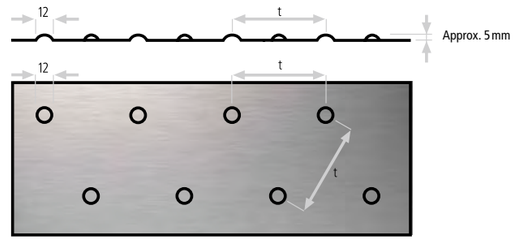
RNg 12-t — Round stud, straight, (ball-shaped)



t min. 50 mm
c = 2–3 mm

Formats:
1,000 × 2,000 mm
1,250 × 2,500 mm
1,500 × 3,000 mm

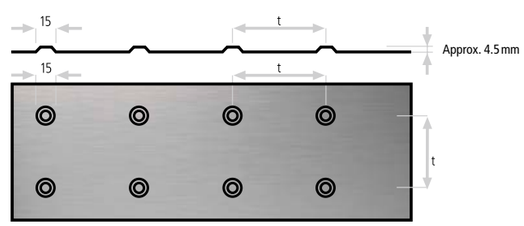
RNv 12-t — Round stud, offset, (ball-shaped)



t min. 50 mm
c = 2–3 mm

Formats:
1,000 × 2,000 mm
1,250 × 2,500 mm
1,500 × 3,000 mm

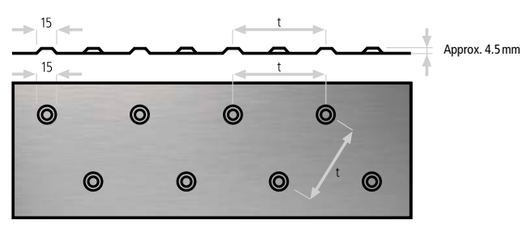
RNg 15-t — Round stud, straight, (with plateau)



t min. 50 mm
c = 2 mm

Formats:
1,000 × 2,000 mm
1,250 × 2,500 mm
1,500 × 3,000 mm

RNv 15-t — Round stud, offset, (with plateau)

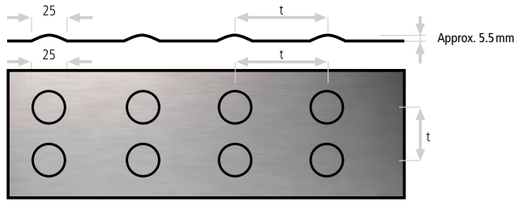


t min. 50 mm
c = 2 mm

Formats:
1,000 × 2,000 mm
1,250 × 2,500 mm
1,500 × 3,000 mm

ARTICLE NUMBER | DRAWING | EXAMPLES

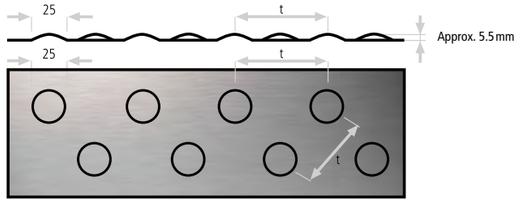
RNg 25-t — Round stud, straight, (ball-shaped)



t min. 80 mm
c = 1.5 mm

Formats:
1,000 × 2,000 mm
1,250 × 2,500 mm
1,500 × 3,000 mm

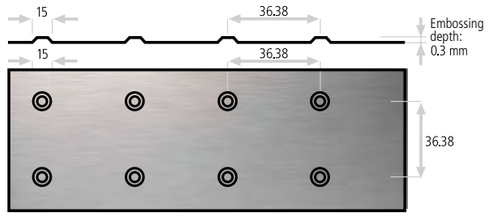
RNv 25-t — Round stud, offset, (ball-shaped)



t min. 80 mm
c = 1.5 mm

Formats:
1,000 × 2,000 mm
1,250 × 2,500 mm
1,500 × 3,000 mm

RNg 15-36.38 — Round stud, straight, (with plateau)



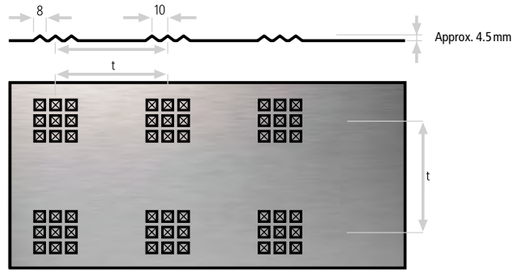
c = 2 mm (1.5)

Formats:
1,000 × 2,000 mm
1,250 × 2,500 mm
1,500 × 3,000 mm

planTEC® Types of embossed sheets

ARTICLE NUMBER | DRAWING | EXAMPLES

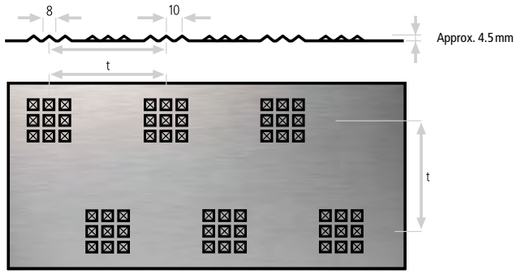
PNg 8-t — Pyramide stud, straight



t min. 60 mm
c = 1.25 mm

Formats:
1,000 × 2,000 mm
1,250 × 2,500 mm
1,500 × 3,000 mm

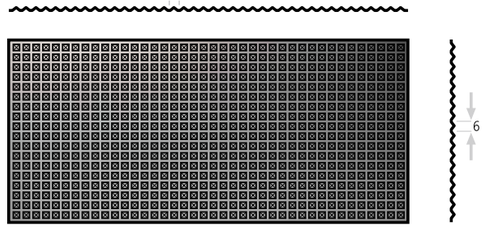
PNv 8-t — Pyramide stud, offset



t min. 60 mm
c = 1.25 mm

Formats:
1,000 × 2,000 mm
1,250 × 2,500 mm
1,500 × 3,000 mm

PNg 6/6 — Pyramide stud

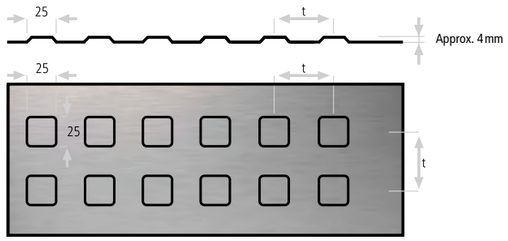


c = 1 mm

Length:
6,000 mm

ARTICLE NUMBER | DRAWING | EXAMPLES

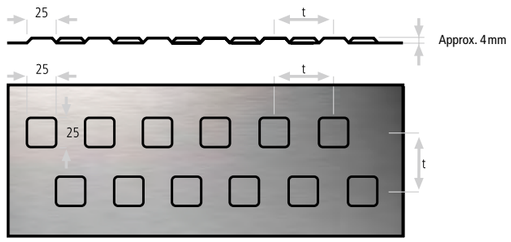
QNg 25-t — Square stud, straight



t min. 50 mm
c = 2 mm

Formats:
1,000 × 2,000 mm
1,250 × 2,500 mm
1,500 × 3,000 mm

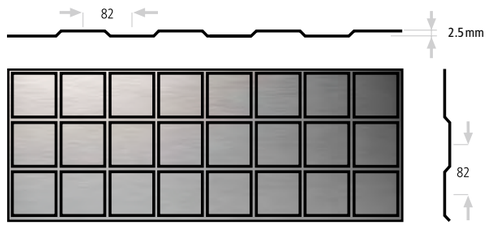
QNv 25-t — Square stud, offset



t min. 50 mm
c = 2 mm

Formats:
1,000 × 2,000 mm
1,250 × 2,500 mm
1,500 × 3,000 mm

KS-2.5/82 — Cross bead



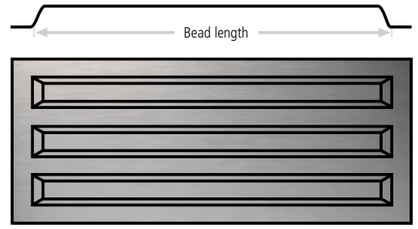
Cross-shaped
Profiled in
82-mm grid

Sheet format:
1,250 × 2,500 mm

planTEC® Types of embossed sheets

ARTICLE NUMBER | DRAWING | EXAMPLES

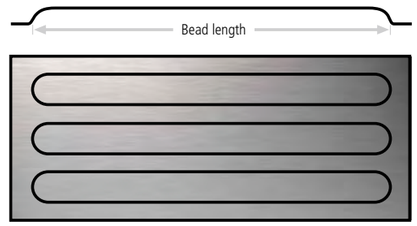
TS-20/80 — Trapezoidal bead



Bead lengths

444 mm
974 mm
2,174 mm

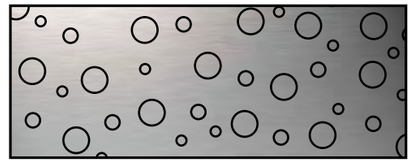
RS-15/40 — Round bead



Bead lengths

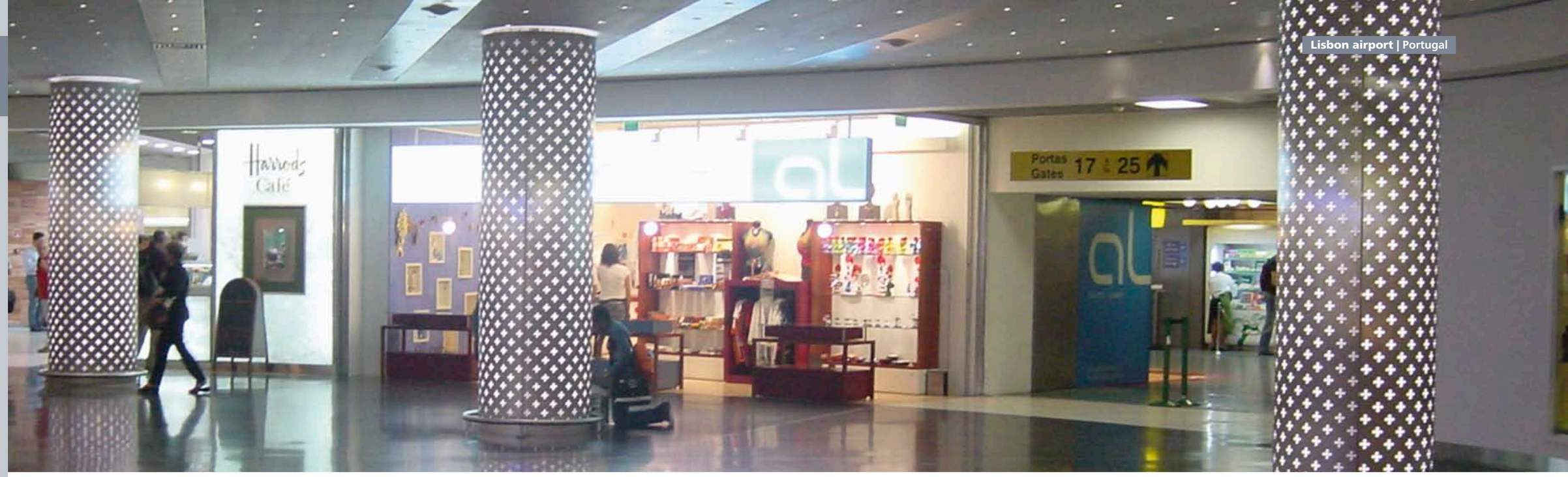
1,000 mm to
5,000 mm

Round stud, irregular



c = 1–2 mm

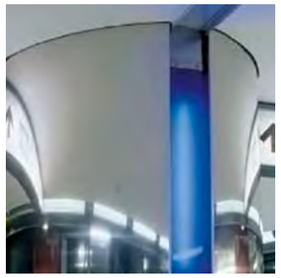
Formats:
1,000 × 2,000 mm
1,250 × 2,500 mm
1,500 × 3,000 mm

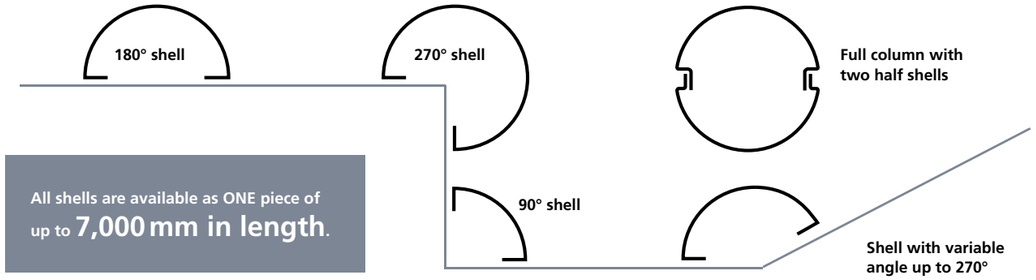


Lisbon airport | Portugal

INFINITE APPLICATIONS, THE SAME HIGH QUALITY

colTEC® COLUMN CLADDING





All shells are available as ONE piece of up to **7,000 mm in length**.

colTEC® column cladding by MN can be used in a variety of different architectural settings. In public buildings, hotel foyers, hospitals and trade fairs, they serve to enhance the appearance of columns often used as static elements. The high-quality and modern design sheets can be made using all types of sheet metal with any surface coating. A variety of perforation designs away from the norm is also possible. If necessary, functional elements such as switches or sockets can be integrated or special effects created through backlighting. Discover the infinite range of design and usage options presented by colTEC® design sheets and prepare to be impressed by high-quality and modern column cladding.

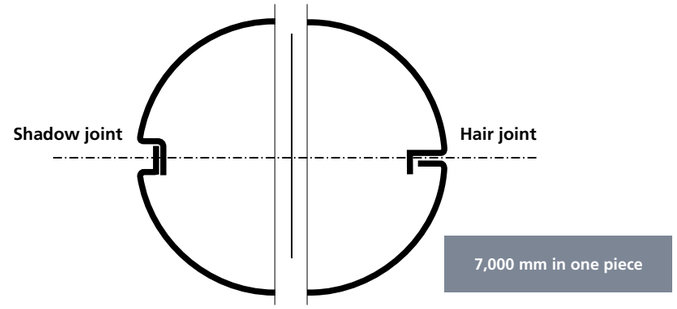
DIVERSE DESIGNS

colTEC® profiles can be produced up to a length of 7,000 mm and a thickness of 20 mm in one sheet. They offer an extremely flexible column cladding option, since alongside their classic use as full columns, they can also be employed as half or quarter shells to adorn walls or corners. With the help of precise laser cuts, it is possible to smoothly integrate functional elements or achieve special effects through backlighting.

Hamburg-Mannheimer headquarters | Germany

MATERIALS, SURFACES, COLOURS

colTEC® profiles create stunning effects in a large variety of models and materials. They can be produced using all metals, such as stainless steel, brass, steel, titanium zinc, aluminium and copper. The design sheets are also offered in all finishes imaginable, from stained, polished or sandblasted to textured, anodised or etched. In order to create harmony between the column and other architectural elements, colTEC® column cladding by MN Metall can also be painted in all RAL colours and shades.



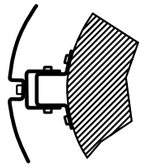
FLEXIBLE JOINT DESIGNS

In the area of joint design, colTEC® column cladding can also be adapted to the specific requirements at hand. Joints can either be deliberately emphasised through shadow joints or subtly camouflaged by means of hair joints with concealed fixings. Pieces are produced without horizontal joints or spot welds on seams.

SHADOW JOINT

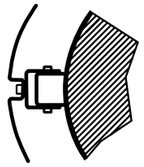
Direct mounting

D = Tubular column
+ 40 mm



with screw-in U construction

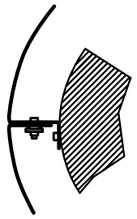
D = Tubular column
+ 140 mm



with clamp U construction

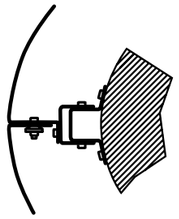
D = Tubular column
+ 140 mm

HAIR JOINT



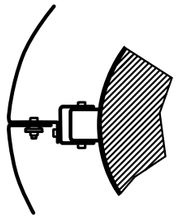
Direct mounting

D = Tubular column
+ 120 mm



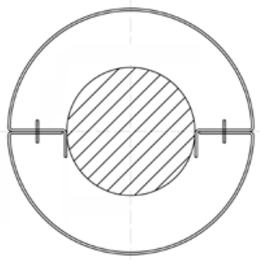
with screw-in U construction

D = Tubular column
+ 220 mm

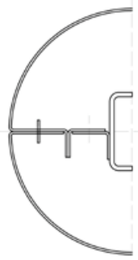


with clamp U construction

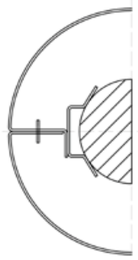
D = Tubular column
+ 220 mm



Direct mounting



Compensating mounting



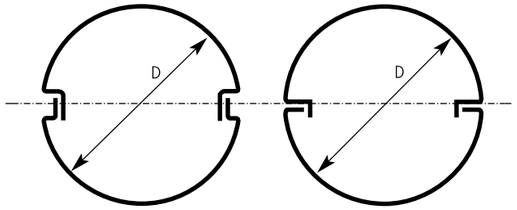
Distance mounting

DIVERSE FIXING TYPES

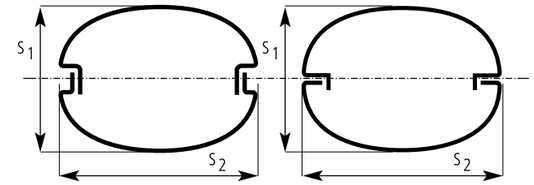
colTEC® column cladding can be fixed in a wide variety of ways in accordance with the specific structural conditions. With direct mounting on the column substructure, it is possible to adjust various column shapes and dimensions to the column substructure using special top-hat and C profiles as spacers. If direct mounting on the column substructure is not possible, clamping devices represent the best fixing method. The illustrated options are only a few examples of the large selection of possible fixings based on your needs and requirements. All versions can be supplied with both shadow and hair joints.

The column cladding included in our product list only represents our basic range. Please do not hesitate to contact us if you have specific requests. We look forward to your enquiry.

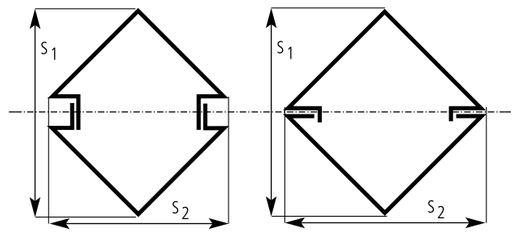
ARTICLE NUMBER	DRAWING	DRAWING	EXAMPLES
RK-S round	**Joint design: shadow joint**	**Joint design: hair joint**	**RK-H round**



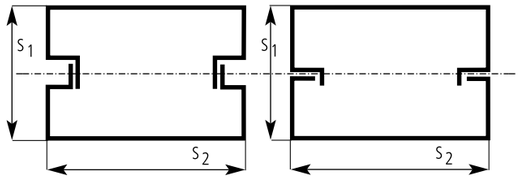
RE-S oval	**Joint design: shadow joint**	**Joint design: hair joint**	**RE-H oval**



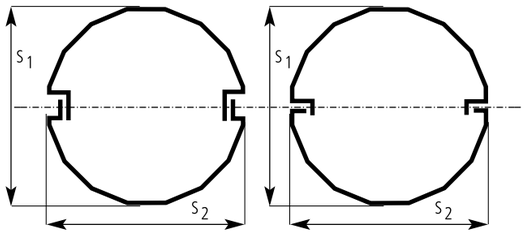
ED-D triangle	**Joint design: shadow joint**	**Joint design: hair joint**	**ED-H triangle**

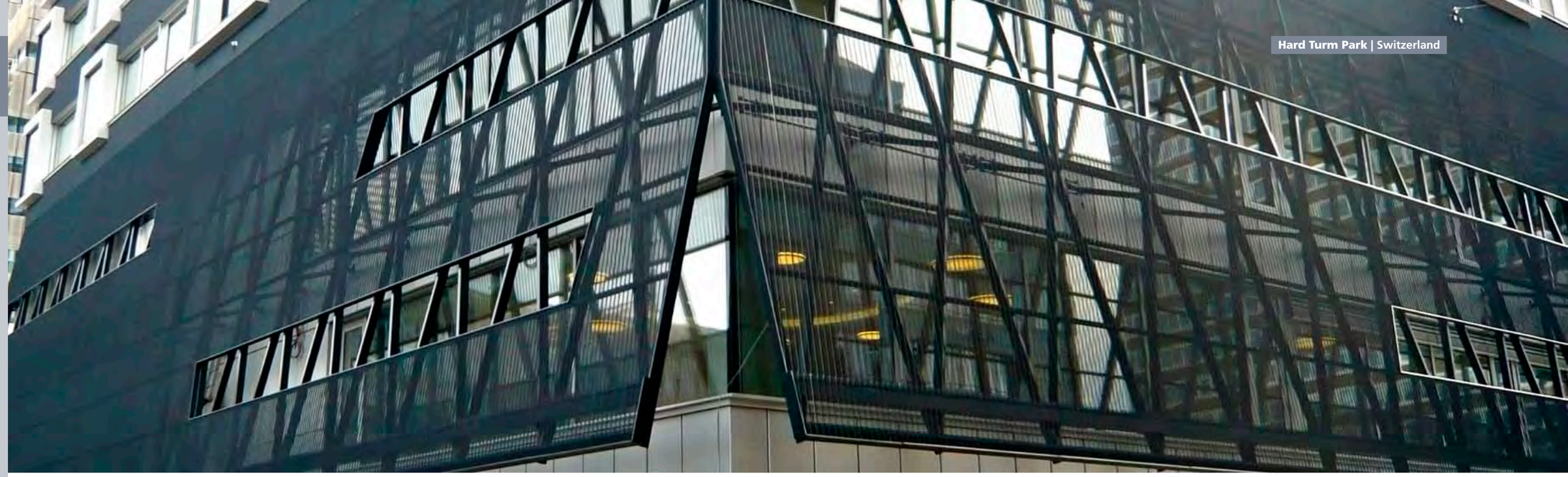


ER-S rectangle	**Joint design: shadow joint**	**Joint design: hair joint**	**ER-H rectangle**



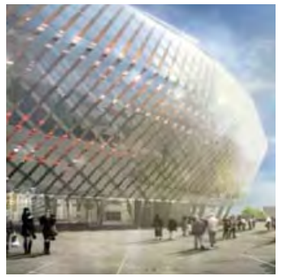
EP-S polygon	**Joint design: shadow joint**	**Joint design: hair joint**	**EP-H polygon**





Hard Turm Park | Switzerland

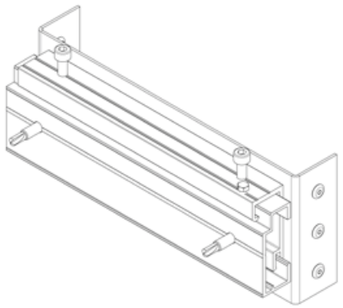
Profile SZ-30/60 R75, (thickness: 1.5 mm),
Aluminium, perforated, RV3-4 and unperforated
The so-called ***Röckli*** (skirting) also serves as a sun shade



IMPRESSIVELY UNIQUE: MN SPECIAL SOLUTIONS

Alongside bringing its own products and advantages to the fore, an inherent part of the MN corporate philosophy is to look for customised, dimensionally precise and cost-saving solutions and suitable designs for its clients. Our high level of customer satisfaction is proven by countless long-term business relations and different quality certificates.
Nowadays, striking aluminium profiles supplied by MN Metall can be seen on a number of iconic buildings designed by renowned architects, who consciously opt for these products based on their convincing properties. Such buildings include the Stockholm Arena in Sweden and the sculptural Festival House in Blackpool, which is surrounded by a diamond-shaped metal facade supplied by MN Metall. Thanks to a special surface structure with multi-spectral colours, this cladding achieves a truly unique aesthetic effect. The same goes for the cassette facade of the Landeskirchliches Archiv in Nuremberg, the matt shimmering copper exterior of which develops a silky brown surface as it passes through the various stages of oxidation.
Another excellent reference is the NYA Nordiska industrial complex with its red anodised aluminium facade elements supplied by MN Metall. This construction project was selected by an expert jury to receive the Lower Saxony state architecture prize.
If you, too, are interested in high-quality and exclusive special solutions in the area of building cladding, please do not hesitate to contact us!

Landeskirchliches Archiv, Nuremberg
Exterior walls made of matt shimmering copper with a fine, vertical structure

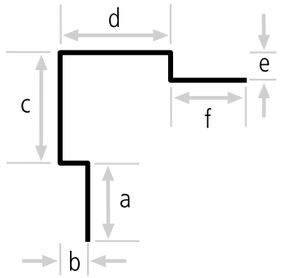


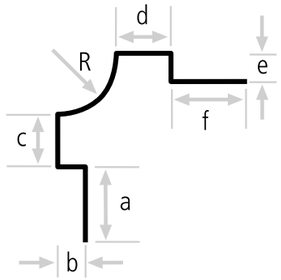
Agrafe for 190 mm-wide cassette

Cassette fixing,
Landeskirchliches Archiv

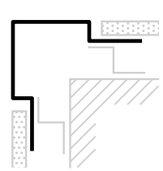
Kulneva, Moscow
The 2,000 mm-wide basic material was dyed half in champagne, half in black using a multi-spectral process. It was then edged and relief-milled in one piece in order to obtain as low an edge radius as possible.

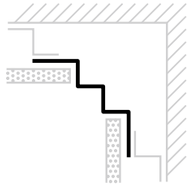
Flashings by MN Metall can be manufactured using all metals with any desired finish. They are available in thicknesses from 0.75 mm to 4 mm and lengths of up to 5,000 mm. Special lengths up to 7,000 mm are also possible upon request. Profiles are cut to any desired length and can be prepared with specific perforations or shapes as required.



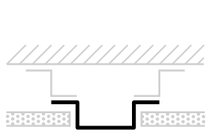


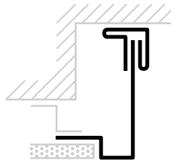
ARTICLE NUMBER	DRAWING	DRAWING	ARTICLE NUMBER
E 01	Outside corner	Inside corner	E 02



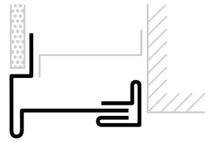


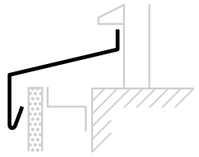
E 03	Pilaster	Soffit	E 04



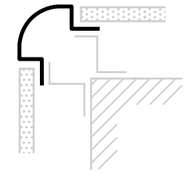


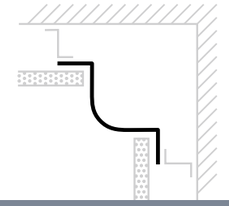
E 05	Lintel	Windowsill	E 06



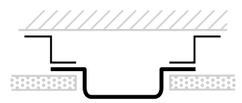


ARTICLE NUMBER	DRAWING	DRAWING	ARTICLE NUMBER
R 01	Outside corner	Inside corner	R 02



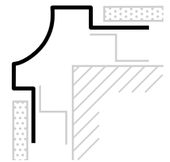


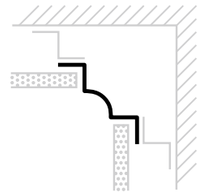
R 03	Pilaster	Soffit	R 04



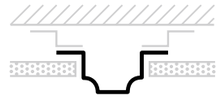
R 05	Lintel	Windowsill	R 06

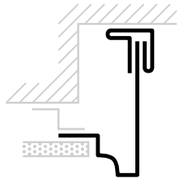
B 01	Outside corner	Inside corner	B 02	Series B



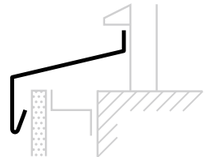


B 03	Pilaster	Soffit	B 04

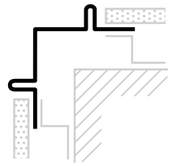


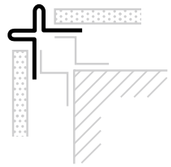


B 05	Lintel	Windowsill	B 06

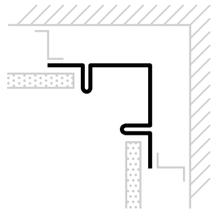


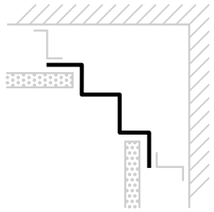
ARTICLE NUMBER	DRAWING	DRAWING	ARTICLE NUMBER
K 01	Outside corner	Outside corner	K 011



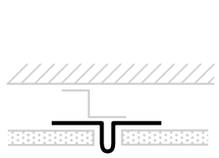


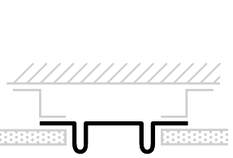
K 02	Inside corner	Inside corner	K 021



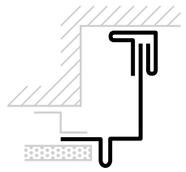


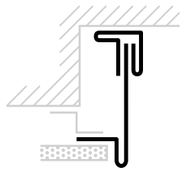
K 03	Pilaster	Pilaster	K 031



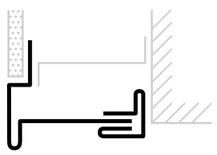


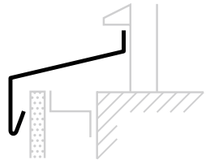
K 04	Soffit	Soffit	K 041



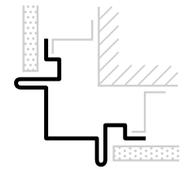


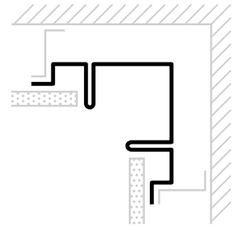
K 05	Lintel	Lintel	K 06



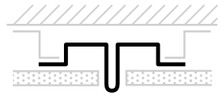


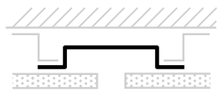
ARTICLE NUMBER	DRAWING	DRAWING	ARTICLE NUMBER
S 01	Outside corner	Inside corner	S 02



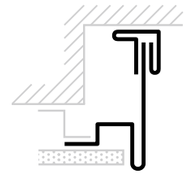


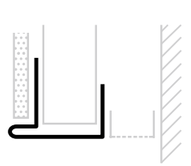
S 03	Pilaster	Pilaster	S 31



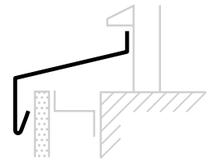


S 04	Soffit	Lintel	S 05





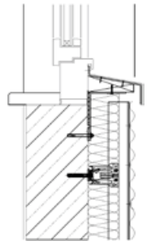
S 06	Windowsill



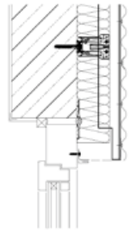
EXAMPLES OF USE

Outside corner

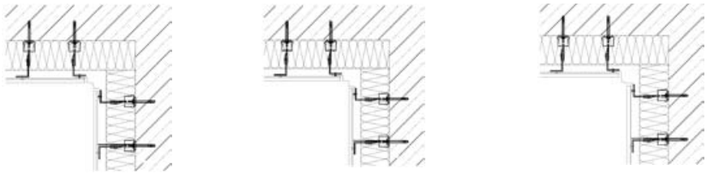
Windowsill



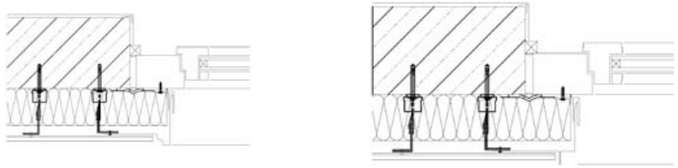
Window lintel



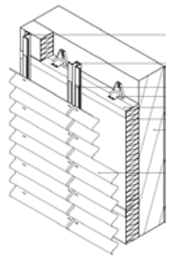
Inside corner



Soffit



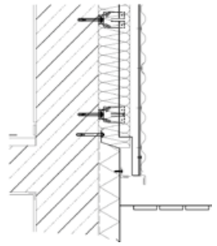
wellTEC® profile sheet system representation



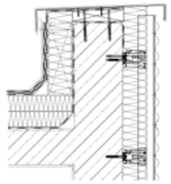
Standard flashings

EXAMPLES OF USE

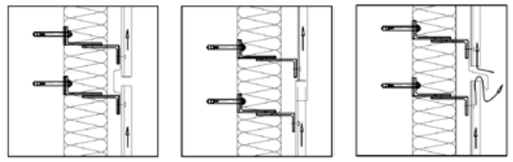
Socket connection



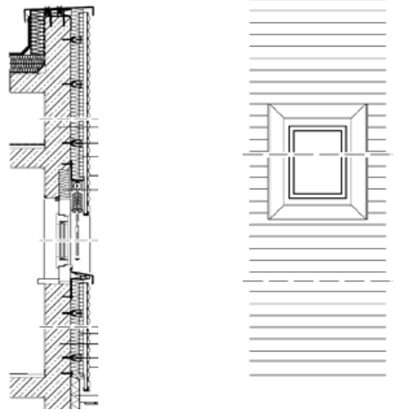
Parapet



Joint, horizontal



Facade section



CONSULTING, PROJECT DESIGN, PRODUCTION

MN METALL OFFERS MORE THAN HIGH-QUALITY BUILDING CLADDING

In the area of commercial construction, MN Metall is one of the most reliable and modern manufacturers of building cladding. But far from resting on its laurels, MN Metall complements its building component production with a full-service programme that begins with consulting and planning and stretches all the way through to logistics management after production. Our qualified employees are equipped with the necessary engineering expertise to grasp the complexity of a construction project and offer focused support and innovative solutions.
Discover our wide-ranging service portfolio for yourself – from customised and series production all the way to international projects.

YOUR PROJECT DESERVES OUR FULL ATTENTION

Your construction project is important to us. For this reason, we dedicate our time and complete attention to your needs. Even during the developmental phase, our engineers and customer advisers can support architects and engineering firms by assuming tasks such as static calculations or planning. This enables the exploitation of important synergies at an early stage of project conception, which could lead to increased construction quality and reduced costs later. Once the design of cladding elements has been completed, MN Metall collaborates with structural and facade engineers if the production of assembly and fixing profiles is required or logistic and assembly processes need to be optimised.

OTHER SERVICES BY MN METALL

TECHNOLOGY
High dimensional accuracy and minimum manufacturing tolerances can only be achieved with powerful processing machines. MN Metall has state-of-the-art system technology that is continuously adapted to meet the latest requirements. During the planning phase, we use 3D CAD models that enable engineers to present the visions of the architect in the actual space and under real conditions. This means that a range of factors can be tested, including building stability, the effects of wind or gravity and the load transfer between elements. This leads to a reduction in work defects, construction delays and not least, additional costs.

ENVIRONMENTAL MANAGEMENT
Environmentally friendly conduct should also – or perhaps particularly – be a focus of companies in the manufacturing industry. At MN Metall, the environment and sustainability play a pivotal role. This starts with minimising our use of natural resources (especially through recycling) and the reduction of pollution in production processes. Supplied materials have to meet high ecological standards in terms of their raw materials, production and processing. In addition to this, the high quality and durability of MN products makes a lasting contribution to the conservation of raw materials.

COIL SERVICECENTRE
In order to process metal, raw material is required. This is normally only available in standard trade sizes, which leads to a high level of wastage when it comes to processing special sizes. Thanks to the most modern coil servicecentre in Europe, MN can de-coil the basic material itself. Here, large aluminium or stainless coils with widths from 500 mm to 2,000 mm, thicknesses of up to 5 mm and weights of up to 25 t can be cut into individual sheets ranging from 150 mm to 8,000 mm in length and 100 mm to 2,000 mm in width. Based entirely on client requirements and with a minimum tolerance of just one thousandth of a millimetre on a length of 8,000 mm, blank and contour cuts are carried out and also meet the surface and edging needs of the automotive industry.
As an MN client, you benefit from stable cost structures. customised production options, an efficient value chain and a stunning, high-quality facade.

2D/3D lasers

Folding

Bending

Cutting

Welding

Punching

Coiling

Profiling

Plasma cutting

Management system certified in accordance with DIN EN ISO 9001

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