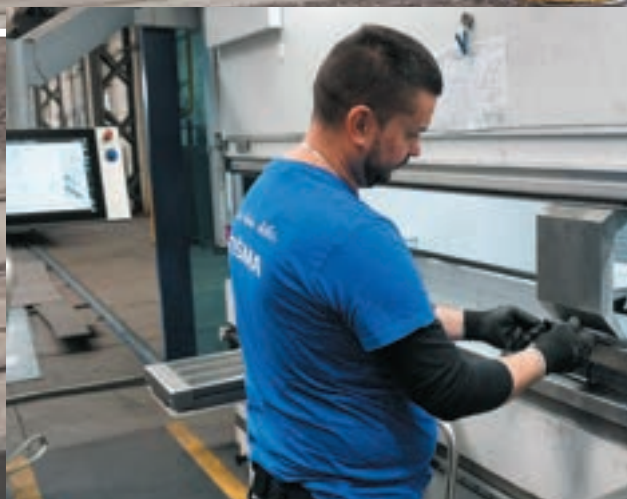
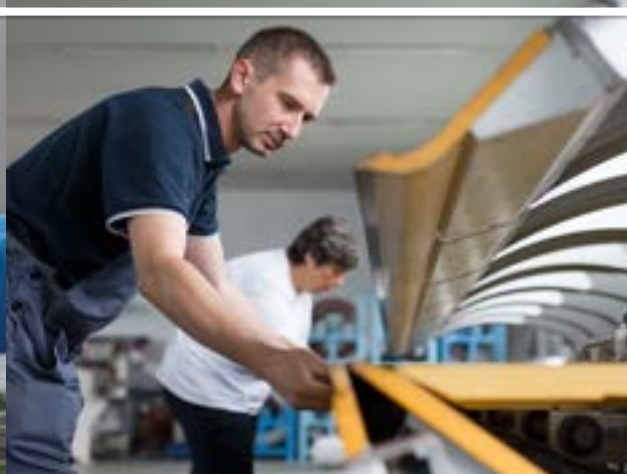


WE GIVE SHEET METAL ITS SHAPE

Products and services catalogue

A LOVE FOR METAL, ENDURING OVER 30 YEARS





The family-owned company Tišma was established in 1991. Through continually investing in our staff, working environment and mechanical equipment, we have become one of the most recognised companies in the field of laser cutting and sheet metal processing in the region. We have also expanded our operations abroad, where we have gained a reputation as a reliable business partner. With modern technologies, a wealth of experience and professionally-trained staff, we achieve the highest standards of quality.

Cooperation, reliability and trust are the values that guide us in our everyday work. Our ultimate goal is a satisfied customer; we therefore provide services and products of the highest quality that will meet your requirements, within agreed deadlines and at competitive prices.

The Tišma company's main focus is on sheet metal in all forms and materials, combining tradition, knowledge and skill. Products for the new millennium, created through our refined production processes and meeting our quality standards, are at the heart of our business, as we give sheet metal its shape.

TIŠMA d.o.o.

Preradovičeva ulica 36
SI-2000 Maribor
Slovenia

T +386 (0)2 421 56 56

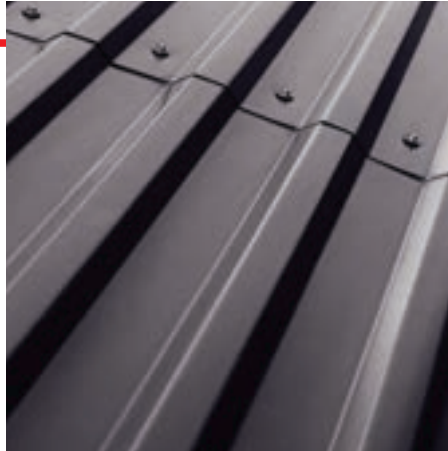
E info@tisma.si

W www.tisma.si

W www.laserskirazreztisma.com

5

**ROOF COVERINGS
AND FACADE
PANELS**



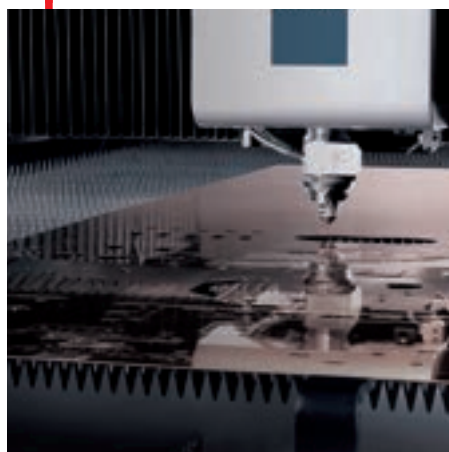
21

**METAL
ROOFING
PRODUCTS
AND SERVICES**



29

**MECHANICAL
METAL
PROCESSING**





ROOF COVERINGS AND FACADE PANELS

The roof is the most important element of residential houses and other buildings because it protects the entire structure. Therefore, choosing roofing should be an important and considered decision, as it ensures that being in your home or workplace will always be a pleasant experience.

Our company offers a wide variety of sheet metal roofing that will best suit your needs. We also offer facade panels. Most are in stock and immediately available.

ROOF COVERINGS AND FACADE PANELS

Our company offers a wide variety of sheet metal roofing and facade panels that will best suit your needs.



TYPE

Trapezoid sheet metal

- Trapezoid roofing without insulation
- Trapezoid panels with felt
- Trapezoid panels with insulation

Stamped sheet metal

Sheet metal with folding system

Tegola Canadese Roofing colour

Rheinzink roof tiles



COLOURS



shades are displayed on our presentation page



COLOUR PALETTE

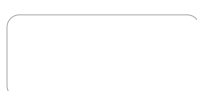
All the products in standard colour shades shown below are in stock and immediately available. On request, we can make products in any shade in accordance with the RAL scale, and the delivery time is 10 days after the date of order. The displayed colours may deviate from the real ones, so we invite you to view the actual colour samples in our store.



RAL 9002
grey white



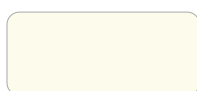
RAL 8017 · M 5302
chocolate brown



RAL 9010
pure white



RAL 8019
grey brown



RAL 1013
oyster white



RAL 6005
moss green



RAL 1015
light ivory



RAL 7016
anthracite grey



RAL 9006
white aluminium



RZ natural



RAL 3009
oxide red



RZ grey blue



RAL 8004
copper brown



RZ dark grey

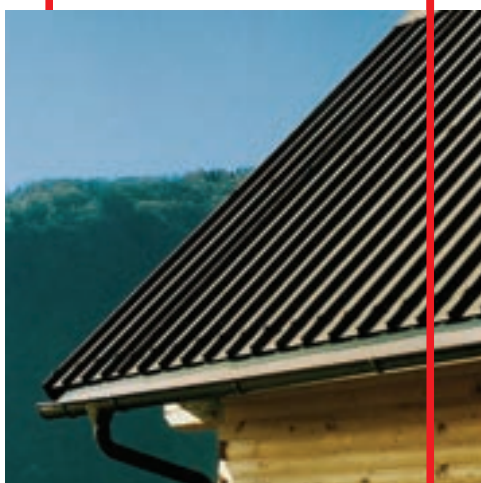
TRAPEZOID SHEET METAL



TRAPEZOID ROOFING WITHOUT INSULATION

For basic buildings without internal heating, we can produce trapezoid roofing according to your requirements. Panels are available in any length, height and number of trapezoids, in a wide range of standard colours.

Besides roofing, we also produce wall or facade panels that enable the quick, easy and affordable construction of warehouses, garages, garden sheds, etc.



TRAPEZOID PANELS WITH FELT

For roofs with thermal bridges, we recommend trapezoid roof panels with a layer of felt on the bottom.

This roofing offers excellent protection against hail, storms and earthquakes, as it is extremely light and durable. Felt absorbs moisture and prevents dripping, leaks, damp in wood elements, while also serving as a high-frequency noise barrier.

Panels are available in full length, from ridge to eave, which makes for quick and easy installation.



TRAPEZOID PANELS WITH INSULATION

Insulated trapezoid roofing will ensure both safety and a pleasant living environment for years to come. It is suitable for covering pitched and flat roofs, as well as facades. Insulation, which can be polyurethane or glass wool, is designed to prevent condensation and at the same time contributes to better sound and heat insulation. You can choose different thicknesses of sheet metal and insulation.

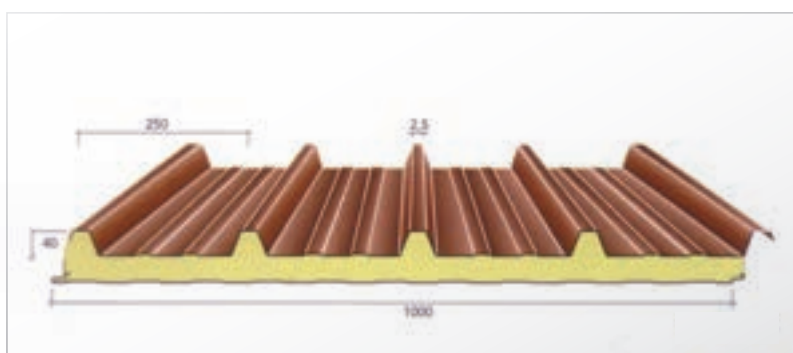
The roofing does not require major interventions in the roof structure, which makes it particularly suitable for roof adaptations. It is available in entire roof length, from ridge to eave.

TYPES OF INSULATED TRAPEZOID PANELS: ROOF PANELS

Insulated trapezoid panels are suitable for covering roofs with different pitches. They can also be used for covering walls or facades. The base of the panel is a galvanized steel sheet metal with 25 microns of UV-resistant organic colour coating. The polyurethane or stone wool core offers excellent thermal and sound insulation. If you choose a polyurethane core, you can also choose from a variety of materials suitable for the underside of the panel. Aluminium, galvanized sheet metal or roofing felt are available. With a stone wool core, the bottom layer is always sheet metal.

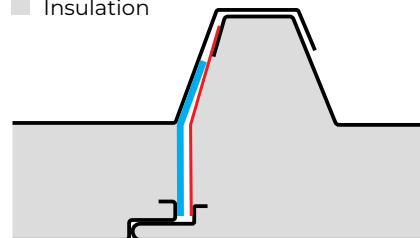


Roof panel PGB TD5 - polyurethane



Joint:

- Gasket
- Adhesive tape
- Sheet metal
- Insulation



Available filling: polyurethane, stone wool

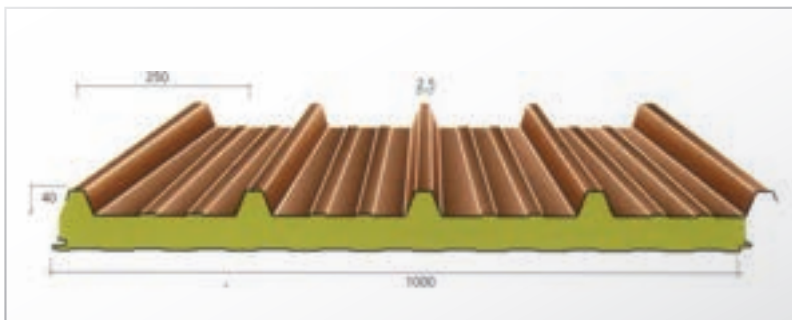
Standard thickness [mm]: 30/40/50/60/80/100

Deflection: $F < 1/200 L$

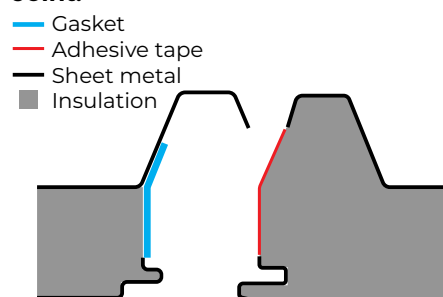
Roof pitch: over 7 %

Thickness		Weight	K	Maximum permissible load [kg/m ²]													
Panel	Sheet			Supports spacing \[m\]													
mm	mm	kg/m ²	kcal/ mqh °C	Simple span							Multiple span						
				2	2,5	3	3,5	4	4,5	5	2	2,5	3	3,5	4	4,5	5
30	0,5	10,23	0,515	250	170	110	75				329	235	170	115	80	55	
	0,6	12,04		268	182	118	80				348	251	182	123	86	59	
35	0,5	10,42	0,455	280	200	130	90	65			378	265	215	140	95	70	
	0,6	12,23		298	214	139	96	70			392	284	230	150	102	75	
40	0,5	10,61	0,407	295	220	160	110	74	50		418	295	215	165	115	86	62
	0,6	12,42		313	235	171	118	79	54		438	312	230	177	123	92	66
50	0,5	10,99	0,337	345	265	200	140	95	70		481	372	270	200	150	105	82
	0,6	12,80		361	284	214	150	102	75	50	500	388	298	214	161	112	88
60	0,5	11,37	0,287	408	290	235	185	130	96	73	579	448	323	248	198	155	108
	0,6	13,18		421	310	251	198	139	103	78	598	467	341	265	212	166	116
80	0,5	12,13	0,222	510	374	280	225	178	130	110	703	531	443	338	250	210	150
	0,6	13,94		530	390	298	241	190	139	118	719	552	462	359	268	225	161
100	0,5	12,89	0,180	620	448	330	272	220	170	140	806	631	506	400	342	285	205
	0,6	14,70		630	467	350	292	240	190	160	830	653	522	428	370	306	227

Roof panel PGB TW5 - stone wool



Joint:



Panel thickn. mm	Fire Safety REI	Sheet thickness mm	Weight kg/m ²	K kcal/ mqh °C	Maximum permissible load [kg/m ²] Supports spacing [m]									
					Simple span					Multiple span				
					1,5	2	2,5	3	3,5	1,5	2	2,5	3	3,5
50	30	0,6 0,5	16,30	0,76	230	145	90	-	-	300	200	120	85	65
80	60	0,6 0,5	19,50	0,50	390	240	150	90	70	520	310	200	145	110
100	120	0,6 0,5	21,50	0,40	450	300	200	110	80	600	420	260	190	130

Available filling:
mineral wool with
oriented fibres

**Standard thickness
[mm]:**
50/80/100

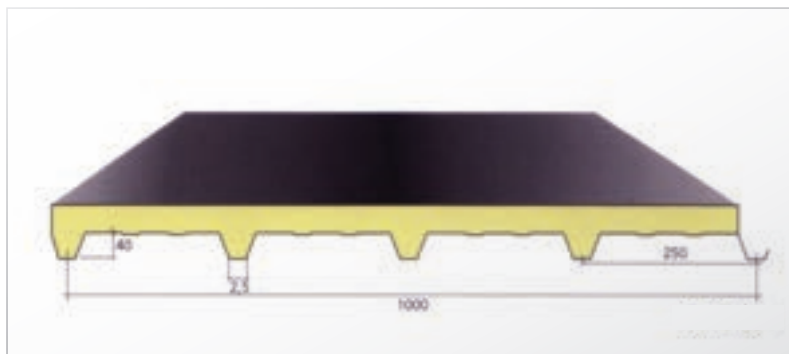
Deflection:
 $F < 1/200 L$

Roof pitch:
over 7 %

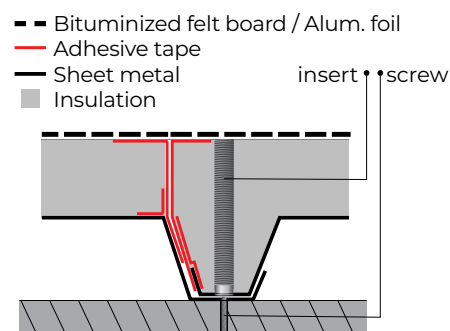
The panels have an REI fire safety certificate.



◆ Roof panel PGB TK5 - polyurethane



Joint:



Sheet thickness	Maximum permissible load [kg/m²] in relation to the supports spacing [m]											
mm	Simple span						Multiple span					
	1,5	1,75	2	2,25	2,5	2,75	1,5	1,75	2	2,25	2,5	2,75
0,5	182	135	102	82	65	-	226	168	130	100	84	56
0,6	218	162	122	96	78	50	271	202	156	120	101	67
0,8	291	216	163	128	104	64	340	269	208	160	134	90
1	400	280	204	160	130	80	410	330	260	200	168	112

Available filling:

polyurethane

Deflection:

$F < 1/200 L$

Roof pitch:

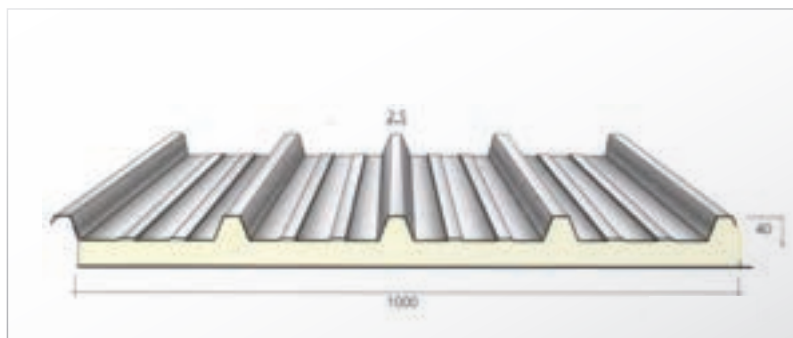
for flat and sloped roofs

Additional information:

Bituminized felt board must not come into contact with a naked flame. Panels should be stored in a dry place.







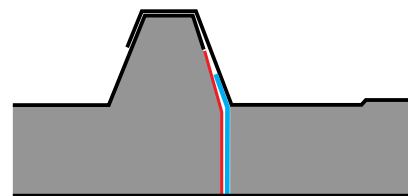
Roof panel PGB TV5 - for barns



These panels have been developed specifically for use in agriculture and associated facilities. The roofs are sealed at the installation site. The glass fibre base is highly resistant to chemical and bacterial factors (especially urine and ammonia) and abrasion. A special PVC trimming can be used to further seal the junction.

Joint:

-  Gasket
-  Adhesive tape
-  Sheet metal/Glass fibres
-  Insulation



Available filling:

glass fibres

Standard thickness [mm]:

20/30/40/50/60/80/100

Deflection:

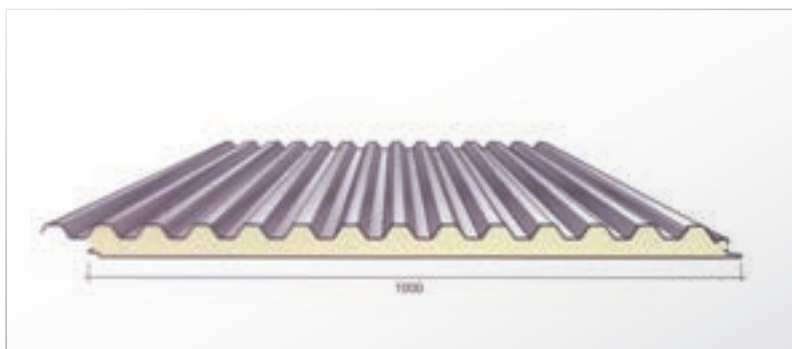
$F < 1/200 L$

Base layer mm	Maximum permissible load [kg/m²] in relation to the supports spacing [m]											
	▲ ▲ Simple span											
	1,00	1,25	1,50	1,75	2	2,25	2,50	2,75	3	3,25	3,5	3,75
0,5	510	332	231	169	130	96	71					
0,6	614	393	273	200	153	115	84	63	48	38		
0,7	716	458	318	234	179	135	98	73	57	44	35	
0,8	820	524	364	267	205	154	112	84	65	51	41	33
1	1024	655	455	334	256	193	140	105	81	64	51	41

Panel thickness mm	K kcal\mqh°C
20	0,780
30	0,570
40	0,440
50	0,362
60	0,305
80	0,232
100	0,180

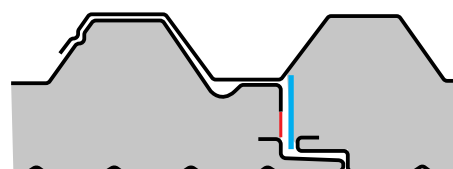
Base layer mm	Maximum permissible load [kg/m²] in relation to the supports spacing [m]											
	▲ ▲ ▲ Multiple span											
	1,00	1,25	1,50	1,75	2	2,25	2,50	2,75	3	3,25	3,5	3,75
0,5	664	430	288	212	163	130	105	86	69	54		
0,6	768	491	341	251	192	152	123	101	81	64	51	
0,7	896	573	398	292	224	177	143	118	95	74	59	48
0,8	1025	656	455	334	256	202	164	135	108	85	68	55
1	1280	819	569	418	320	253	204	169	135	106	85	69

Roof and wall panel PGB T13



Joint:

- Gasket
- Adhesive tape
- Sheet metal
- Insulation



Insulated metal panels for roofs and facades offer numerous applications and combine high mechanical and insulation standards with attractive design. The base of the panel is galvanized steel sheet metal with 25 microns of UV-resistant organic colour coating, aluminium or copper.

Panel thickness mm	Sheet thickness mm	K kcal/ mqh °C	Maximum permissible load [kg/m ²] Supports spacing [m]					
			▲ ▲ Simple span					
			2	2,5	3	3,5	4	5
30	0,6 0,5	0,45	150	100	80	60	-	-
40	0,6 0,5	0,36	195	120	110	80	50	-
50	0,6 0,5	0,30	245	170	110	80	50	58

Available filling:
polyurethane

Standard thickness [mm]:
30/40/50

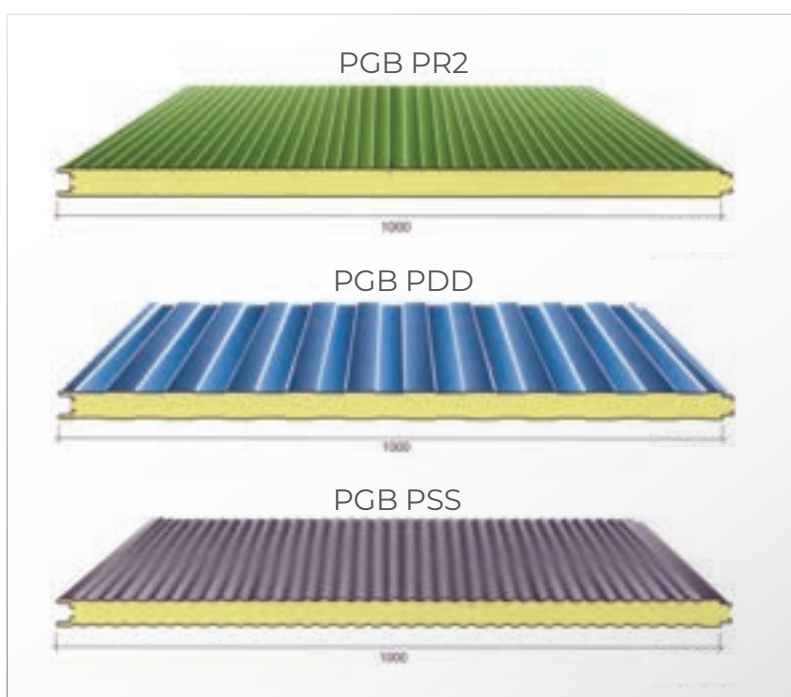
Deflection:
 $F < 1/200 L$



TYPES OF INSULATED TRAPEZOID PANELS: WALL PANELS

Insulated metal panels are suitable for outdoor and indoor walls. The panels are designed to meet the requirements of both industrial and residential construction. The base of the panel is galvanized steel sheet metal with 25 microns of UV-resistant organic colour coating. The insulation layer (polyurethane or stone wool) offers excellent thermal and sound insulation.

Wall panels PGB (PGB PR2, PGB PDD, PGB PSS)



Available filling:

polyurethane

Standard thickness [mm]:

25/30/35/40/50/60/80/100

Non-standard thickness [mm]:

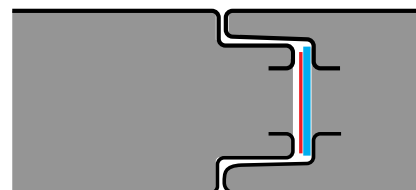
120/150/200

Deflection:

$F < 1/200 L$

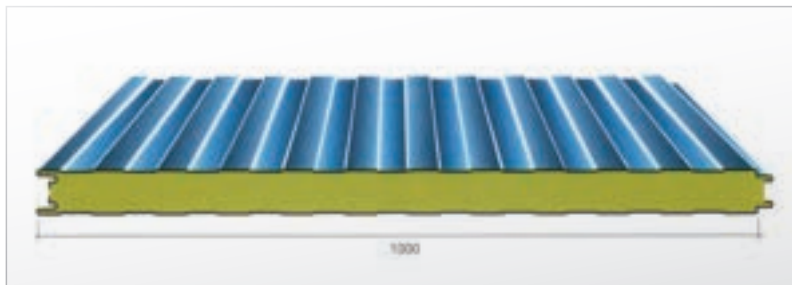
Joint:

- Gasket
- Adhesive tape
- Sheet metal
- Insulation



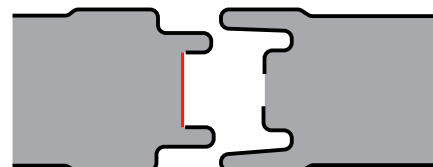
Panel thickness	Sheet thickness	Weight	K	Maximum permissible load [kg/m²] Supports spacing [m]														
mm	mm	kg/m²	kcal/ mqh °C	Simple span							Multiple span							
				2	2,5	3	3,5	4	4,5	5	2	2,5	3	3,5	4	4,5	5	
25	0,5 0,6	9,31 10,98	0,675	100 107	55 59							155 166	85 91	62				
30	0,5 0,6	9,50 11,17	0,575	150 161	80 86	50 54						198 215	125 134	75 80				
35	0,5 0,6	9,69 11,36	0,501	170 182	100 107	65 70	50					230 255	155 166	96 103	60 64			
40	0,5 0,6	9,88 11,55	0,444	200 215	143 153	95 102	58 62	40 43	50 54			300 312	190 205	130 139	92 98	65 70	45 48	
50	0,5 0,6	10,26 11,93	0,362	225 240	175 187	130 139	88 94	65 70	70 75	50		385 400	255 280	179 192	134 144	95 102	65 70	50 54
60	0,5 0,6	10,64 12,31	0,305	270 290	220 240	170 182	120 128	90 96	96 103	73 78		460 480	320 338	230 248	180 193	130 139	80 86	60 64
80	0,5 0,6	11,40 13,07	0,232	350 370	250 270	190 210	150 161	120 128	130 139	110 118		565 580	435 452	325 343	242 265	185 198	140 150	115 123
100	0,5 0,6	12,16 13,83	0,183	450 470	300 320	230 250	168 188	145 165	170 190	140 160		640 658	490 512	390 405	300 312	240 258	190 200	155 160
120	0,5 0,6	12,92 14,59	0,152	500 520	380 400	290 310	200 240	193 205	170 190	140 160		710 721	570 583	460 480	360 380	290 300	240 235	193 200

Wall panel PGB PWD



Joint:

- Adhesive tape
- Sheet metal
- Insulation



Available filling: mineral wool with oriented fibres

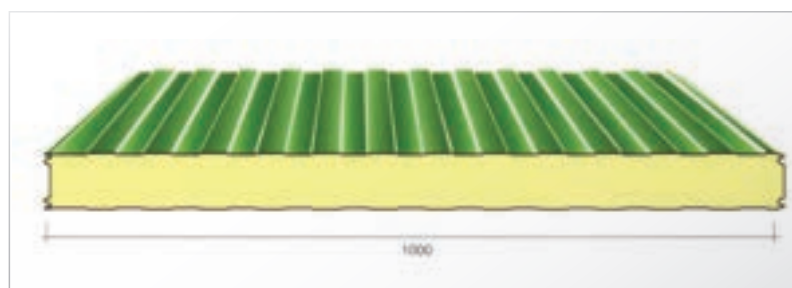
Standard thickness [mm]: 50/80/100

Deflection: $F < 1/200 L$

Additional advantage: REI Fire Safety Certificate

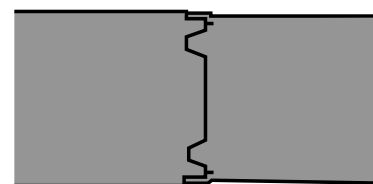
Panel thickness mm	Fire Safety REI	Sheet thickness mm	Weight kg/m ²	K kcal/mqh °C	Maximum permissible load [kg/m ²] Supports spacing [m]									
					Simple span					Multiple span				
					1,5	2	2,5	3	3,5	1,5	2	2,5	3	3,5
50	30	0,6/0,6	15,00	0,76	150	85	50			185	110	70	50	-
80	60	0,6/0,6	17,80	0,50	230	130	90	69	45	300	188	120	90	60
100	120	0,6/0,6	19,50	0,40	300	168	105	88	60	380	220	150	110	80

Self-supporting wall panel PGB PFD



Joint:

- Sheet metal
- Insulation



Panel thickness mm	Sh. metal thickness mm	Weight kg/m ²	K kcal/mqh °C	Maximum permissible distance between supports spacing [m] L
120	0,5/0,5	12,92	0,15	7,00
150	0,5/0,5	14,06	0,12	8,20
180	0,5/0,5	14,82	0,10	9,20
200	0,5/0,5	15,58	0,09	10,00

Intended use:

for refrigeration rooms, tunnels and low-temperature warehouses

Available filling:

polyurethane

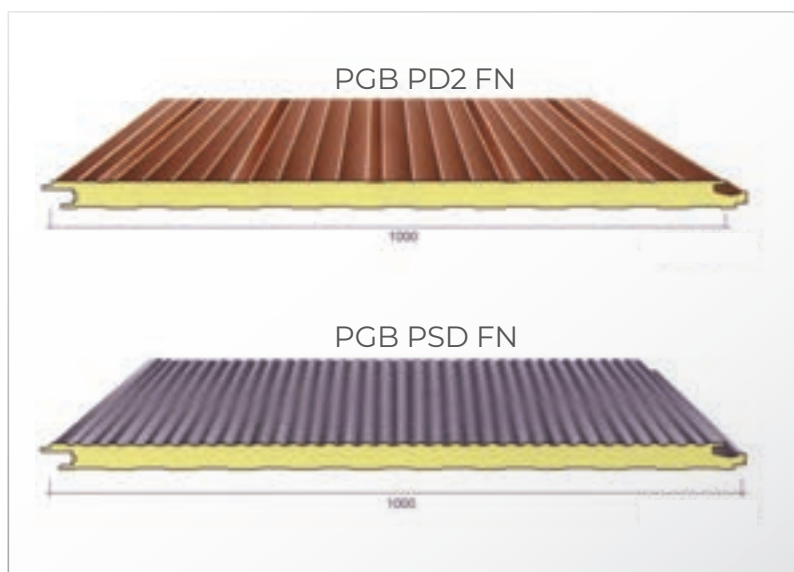
Standard thickness [mm]:

120/150/180/200

Deflection:

$F < 1/200 L$

PGB wall panel with hidden fastening (PGB PD2 FN, PGB PSD FN)



Available filling:

Polyurethan





Standard thickness [mm]:

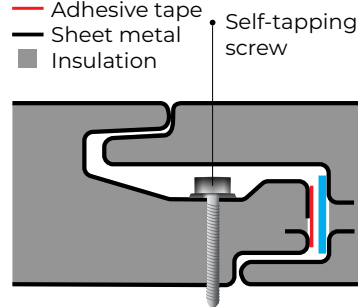
40/50/60/80/100

Deflection:

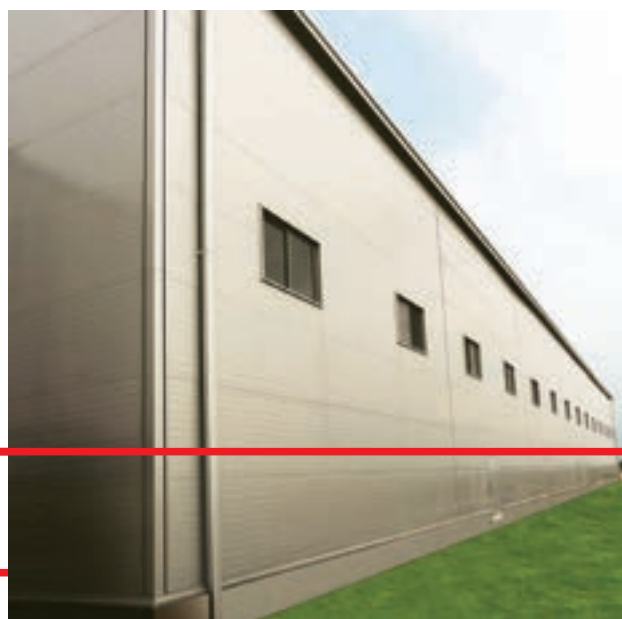
$F < 1/200 L$

Joint:

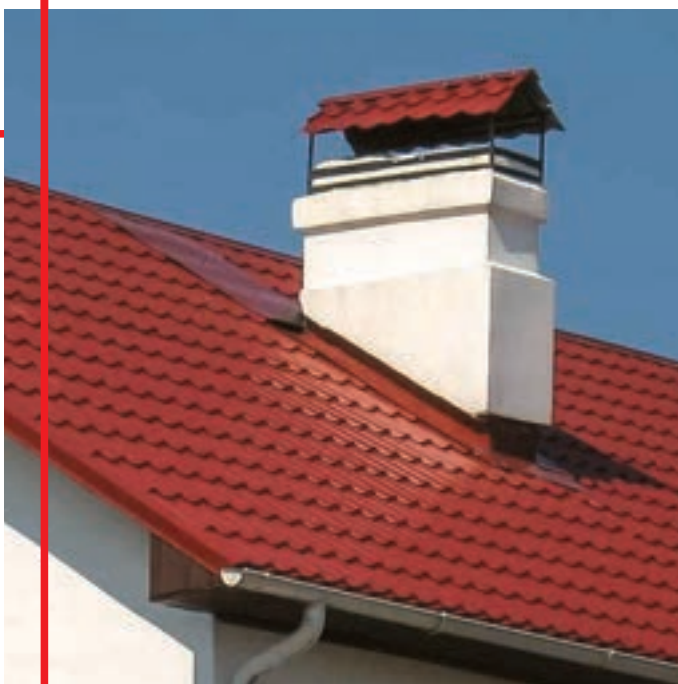
-  Gasket
-  Adhesive tape
-  Sheet metal
-  Insulation



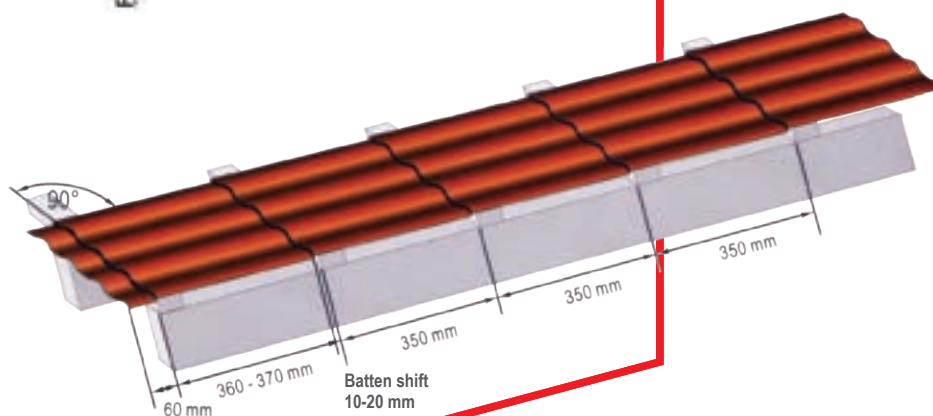
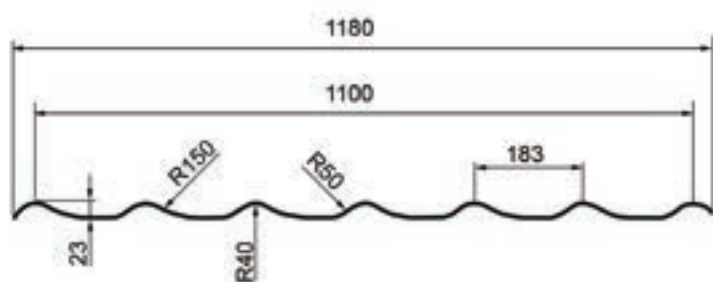
Panel thickness	Sheet thickness	Weight	K	Maximum permissible load [kg/m ²]											
				Supports spacing [m]											
				Simple span						Multiple span					
mm	mm	kg/m ²	kcal/mqh °C	2	2,5	3	3,5	4	2	2,5	3	3,5	4	4,5	5
40	0,5	10,80	0,444	192	142	97	55	32	350	220	144	99	60		
	0,6	12,65		207	154	106	61	37	365	245	157	109	67		
50	0,5	11,18	0,362	225	175	130	88	65	385	255	179	134	95	65	50
	0,6	13,03		240	187	139	94	70	400	280	192	144	102	70	54
60	0,5	11,56	0,305	270	220	170	120	90	460	320	230	180	130	80	60
	0,6	13,41		290	240	182	128	96	480	338	248	193	139	86	64
80	0,5	12,32	0,232	350	250	190	150	120	565	435	325	242	185	140	115
	0,6	14,17		370	270	210	161	128	580	450	345	260	198	150	123
100	0,5	13,08	0,183	378	278	218	178	148	613	483	373	290	233	188	163
	0,6	14,93		398	298	238	189	156	628	498	393	308	246	198	171



STAMPED SHEET METAL IN THE FORM OF TILES



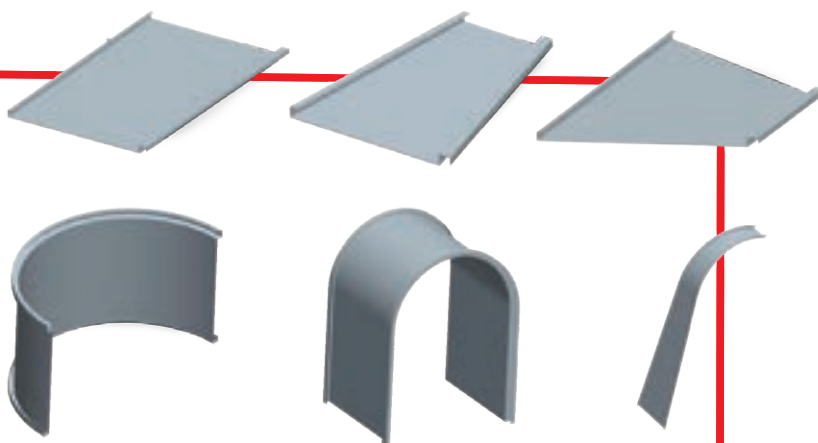
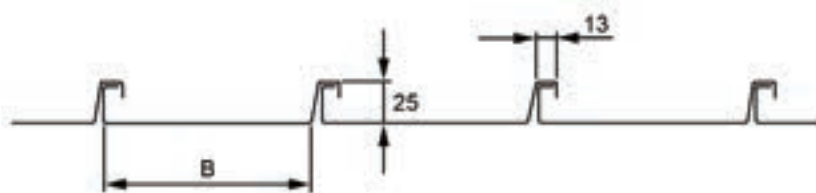
Imitation sheet metal tiles give the roof a traditional appearance, thus ensuring a high level of spatial integration. Besides its aesthetic appearance, the roofing is distinguished by its one-way expansion. It is available in the entire roof length, from ridge to eave, which enables quick and easy installation. Felt absorbs moisture and prevents dripping, leaks, damp in wood elements, while also working well as a high-frequency noise barrier. The roofing is available in different colours and with a smooth or structured surface.



DOUBLE-FOLDED EDGE SHEET METAL ROOFING



Sheet metal roofing with a folding system offers numerous design possibilities. Execution is possible in various materials and shades, which, when executed correctly, have a very long lifespan and require minimal maintenance. The folding system enables the covering of various roof shapes and pitches, where other types of roofing are not suitable. It provides permanent protection against hail, storms and earthquakes, as its low weight does not burden the roof structure. With our modern machines, we can construct roofing in various shapes and details: arched, conical, angled.



TEGOLA CANADESE: BITUMEN SHINGLES ROOFING

The Tegola Canadese roof exudes quality and beauty, while at the same time, the manufacturer offers the finest selection of bituminous roofing available on the world market. You can choose from various models and more than 200 shades. With its exceptional technical and aesthetic characteristics, the Tegola Canadese can satisfy numerous project requirements, while ensuring weather resistance, durability without maintenance and quick and easy installation. Tegola Canadese stands for reliability, practicality and beauty, which are the true values of living in the third millennium.



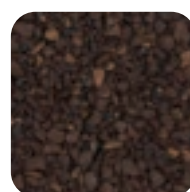
COLOUR PALETTE



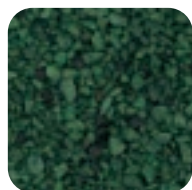
terracotta



red



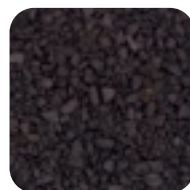
brown



green



blue



shingle grey

The tones presented above are just the basic nuances that can be found in the Tegola Canadese roofing range. You are invited to view all the shades and combinations that are available in our store.



TYPES OF TEGOLA CANADESE ROOFING IN OUR RANGE



TEGOLA CANADESE: STANDARD

Standard shingles offer: universal resistance, variety of applications and easy installation, and above all a selection of 13 different colours. The range of available colours ensures the perfect integration of roof and environment.

TECHNICAL DATA

No. of shingles per m²: 6,9

Surface in m² on a pallet: 158,6

No. of packages per pallet: 52

Wrapping paper colour: light blue

Bitumen type: oxidized Tia-Juana

Dimensions (cm): 100 x 34

Exposed part (cm): 14.5

Weight kg/m²: 11



TEGOLA CANADESE: TRADITIONAL

The Traditional Tegola Canadese roofing is characterized by exceptional adjustability and flexibility, which makes it suitable for architectural styles with curved surfaces and different pitches that demand a perfect fit. It is made in such a way that it resembles round cut Beaver tiles, which give the roof surface a dynamic appearance.

TECHNICAL DATA

No. of shingles per m²: 6.9
Surface in m² on a pallet: 158.6
No. of packages per pallet: 52
Wrapping paper colour: brown
Bitumen type: oxidized Tia-Juana
Dimensions (cm): 100 x 34
Exposed part in cm: 14.5
Weight kg/m²: 11



TEGOLA CANADESE: MASTER

The two-layer shingle installation has a three-dimensional effect, which is typical for traditional roofs. The Master roofing is perfect in this regard. It is available in eight colours, creating perfect harmony with the surrounding environment. The diverse structure and flexibility of shingles enable roof covering even at low temperatures.

TECHNICAL DATA

No. of shingles per m²: 7
Surface in m² on a pallet: 128
No. of packages per pallet: 64
Wrapping paper colour: green
Bitumen type: oxidized Tia-Juana
Dimensions (cm): 100 x 33.7
Exposed part (cm): 14.3
Weight kg/m²: 13.5



TEGOLA CANADESE: MOSAIC

The hexagon form and two-dimensional shades create a beautiful mosaic effect on the roof. The installation of Mosaic shingles is especially quick, as they have self-adhesive joints that ensure the impermeability of the roofing. The perfect fit of the edges increases the resistance of the roof even in areas with strong winds and heavy snowfall.

TECHNICAL DATA

No. of shingles per m²: 7	Dimensions (cm): 100 x 33.7
Surface in m² on a pallet: 179.4	Exposed part (cm): 14.3
No. of packages per pallet: 52	Weight kg/m²: 9
Wrapping paper colour: blue	
Bitumen type: oxidized Tia-Juana and modified SBS	

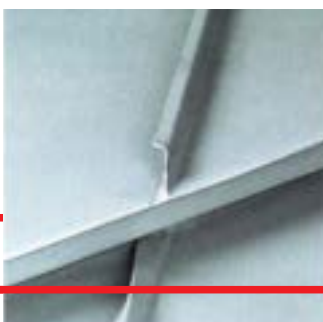
RHEINZINK: ZINC ROOF COVERINGS

Rheinzink is an alloy composed of 99.995 % quality zinc and specified levels of copper and titanium. Its advantages are beautiful design, great processing possibilities and longevity. For decades, Rheinzink roofing has been known for its high quality and durability on every building.



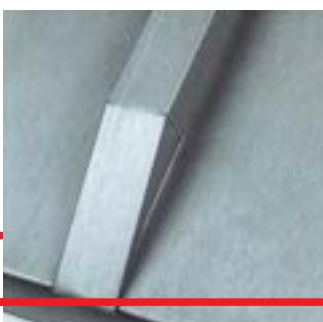
DOUBLE STANDING SEAM

Double standing seam roofing offers a wide range of design possibilities. This roofing is also suitable for roofs with a minimal pitch, where other roofing types cannot be used. Its clear lines accentuate traditional architecture as well as contemporary ideas.



ANGLED STANDING SEAM

The angled standing seam is usually used in roofs with pitches over 25°, with more noticeable pitched roofs, attics and mansards. Due to the optically wider effect than with the double standing seam, buildings take on a lively appearance and a more distinctive structure.



CLICK ROLL CAP

The click roll cap system is one of the most traditional seam joining techniques. Its shape provides a harmonious balance between roofing and facade surfaces. The typically heavily structured effect of dominant longitudinal connections creates attractive light and shadow effects.



GRADUATED QUICK STEP® ROOFING

The QUICK STEP® system is suitable for various roof structures with pitches from 10° to 75°. The design supports a wide horizon, as the roof creates an energetic but elegant dissection of the roof surface that harmoniously integrates into any surrounding.



METAL ROOFING PRODUCTS AND SERVICES

Through modern technology and construction, as well as professional and high-quality production, we are constantly improving and developing new roofing and metal products, which are effortlessly installed and extremely durable. We also cooperate with suppliers from the EU, so we are supplied with everything you may need.

With professionally-trained staff and more than 30 years of experience in the field of roofing and metal services, we also install roofing.



COLOUR PALETTE

		RAL 8019 grey brown
		RAL 8004 copper brown
		RAL 3009 oxide red
		RAL 7016 anthracite grey
		RAL 9006 white aluminium
		RAL 9007 grey aluminium
		RAL 9002 grey white
		RAL 6005 moss green
		NATUR uncoloured

All products in the shades displayed are in stock and immediately available. On request, we can make products of any shade in accordance with the RAL scale, and the delivery time is 10 days after the date of order. The displayed colours may deviate from the real ones, so we invite you to view the colour samples in our store.

The products presented below are available in the following materials and colours.

- Copper
- Galvanized
- Galvanized, coloured
- Aluminium, coloured
- Aluminium, natural
- Stainless

Gutter – half round



✂ 250, 280, 330

Hook – half round



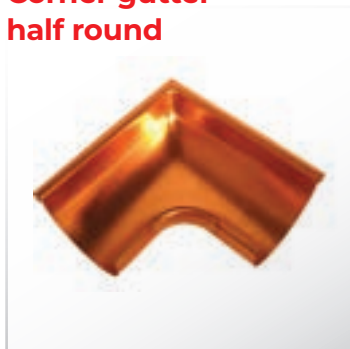
✂ 250, 280, 330

End cap – half round



✂ 250, 280, 330

Corner gutter – half round



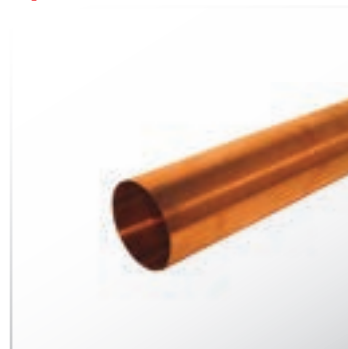
✂ 250, 280, 330 - outer
250, 280, 330 - inner

Outlet for half round gutter

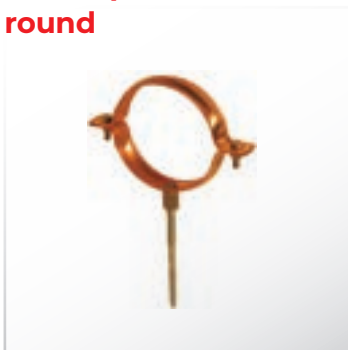


✂ 250/60, 250/80, 280/80,
280/100, 333/100, 333/120

Spout – round



✂ 60, 80, 100, 120

Downspout hook – round

✂ 60, 80, 100, 120

Elbow

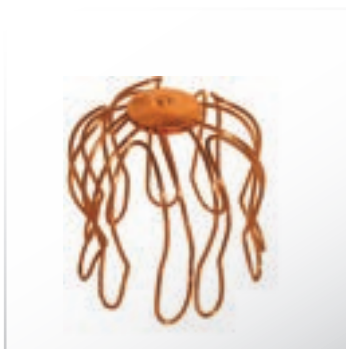
✂ 60/72°, 80/72°, 80/85°, 100/72°, 100/85°, 120/72°

Water catcher

✂ 80, 100, 120

S-Elbow

✂ 80, 100, 120

Dirt catcher

✂ 80–120

Sanitation vent

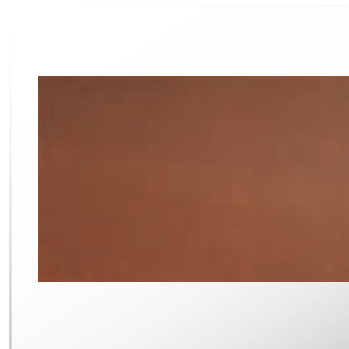
✂ 60, 80, 100, 120

Corner shield

✂ 250, 280, 330

Sheet metal roll

✂ 330, 500, 670, 1000, 1250

Sheet metal plates

✂ 2000x1000, 2500x1250, 3000x1500

Perforated sheet metal roll

✂ 4,5

Flat band

✂ 20x3, 25x5, 30x5

Wire

✂ 8, 10

Point snow guards for tiles



✂ 360/35

Point snow guards for bitumen shingles – Tegola



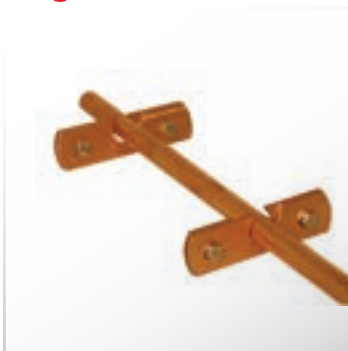
✂ 190/35

Point snow guards for waved sheets



✂ 155/45

Single tube snow



✂ 180/50/28

Tube snow guard for flat roofs



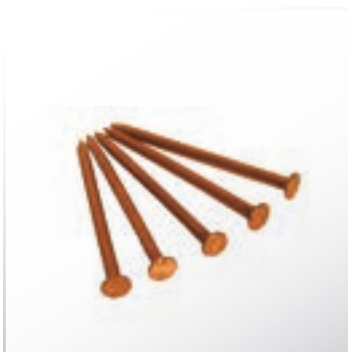
✂ single tube, double tube

Classical snow guard



✂ 230/30/5

Nails



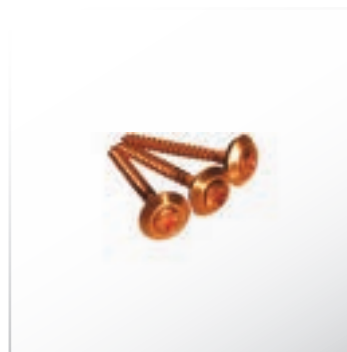
✂ 90–120

Cardboard nail



✂ 20, 25, 30, 35; galvanised steel, aluminium, copper

HPS screw



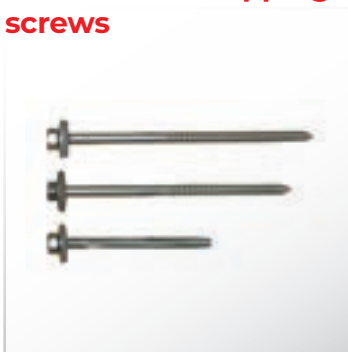
✂ 35, 45, 60

Rivets



✂ 3,2, 4,0

Stainless self-tapping screws



✂ 6,3 x 25 - 6,3 x 200
6,5 x 25 - 6,5 x 200

Tin



✂ 60 %

Cross clamp**Measuring clamp****Spout clamp****Clip for auxiliary line**

✖ 80, 100, 120

Wall holder

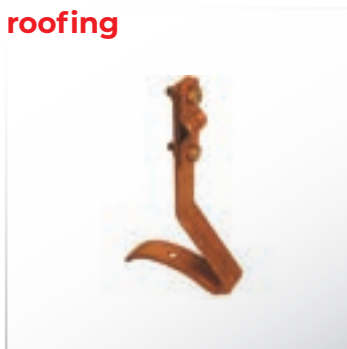
✖ short, long

Roof holder for Tegola

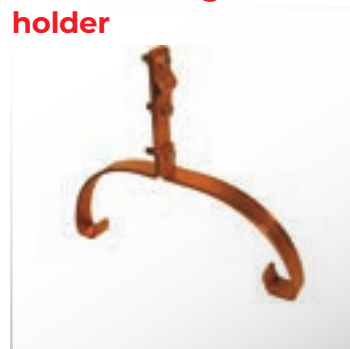
✖ low, high

Roof holder for tiles

✖ short, long

Roof holder for waved roofing

✖ froof, ridge

Universal ridge holder

✖ narrow, wide

Universal roof holder

✖ short, long

Ridge element

to prevent the intrusion of
water and impurities

Saddle washers

various colours and
dimensions

Flashing and profiles

The displayed standard flashings and profiles are available in the shades on the RAL scale. Per request, we can bend metal to any shape in any length.



Joint sealant and adhesive



🔧 brown, grey, white

Silicone sealant



🔧 brown, white, neutral

Bitumen adhesive for tegola



Bitustick

Spray



🔧 brown, terracotta, white, burgundy, silver, anthracite

Soldering flux



🔧 for copper, galvanized metal, Rheinzink, RF

Vent tape



🔧 PVC, aluminium

Vapour permeable membranes



✂ 1,5 m, 3 m

ETERNABOND Roofseal



for roof sealing: one-sided or double-sided

Protective tarp



8x10 m, 8x12 m, 10x12 m

Tin tools



Wall insert and polystyrene screw



LAMELLA FENCES PRODUCTION



We produce many types of lamella fences. They are available in various materials, such as aluminium, galvanized sheet metal, etc. Modern and durable materials and a wide colour palette allow you to choose a style of fence that creates an attractive design and provides colour harmony between the building, fence and courtyard doors.

Custom design and fabrication.

Create your own unique fence that will meet your wishes, needs and expectations.



INSTALLATION OF ALL TYPES OF ROOFING



With more than three decades of experience in the field of roofing and metal work, we also offer roofing installation services. We know every type of roofing and that is why we are the right choice if you are covering your home, company or any other building with:

- clay roof tiles (Tondach, Creaton),
- roofing membrane FPO and PVC (Bauder, Austroplan...),
- trapezoid sheet metal roofing (Bruch, Marcegaglia, Trimo),
- bitumen roofing (Tegola Canadese, Fragmat, Villas) or
- sheet metal brick imitation roofing (Gerard).

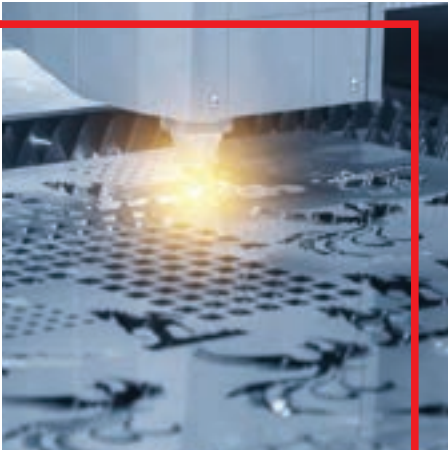


TRUMPF

MECHANICAL METAL PROCESSING

We specialize in sheet metal processing. From simple to complex elements, coiled, bent or completely straight parts, custom made or large series products, we ensure the highest quality standards.

With us, you get a reliable partner, who will assist you with your projects, from the initial idea through to realization.



LASER CUTTING

Laser cutting completely transformed the metal processing industry and superseded conventional technologies. The laser cutting of sheet metal is the method that ensures the highest quality; it is used by the majority of technologically advanced companies as standard in their production. This is what makes laser processing the most advanced of production and finishing processes.

We use the most advanced laser cutting machines by Trumpf, a leading manufacturer in the field. We cut metal up to 4000x2000 mm on TruLaser 3030 and TruLaser 5040 Fiber machines. We cut steel to a thickness of 25 mm, stainless steel and aluminium to a thickness of 20 mm, and copper and brass to a thickness of 10 mm.



FOLDING AND BENDING

Using advanced Trumpf bending presses, we produce parts up to a length of 4.500 mm with a press force of 3.200 kN. Seven programmable axis enable production of the most complex parts with great precision in a very short timeframe. The integrated bending angle measuring system ensures the highest accuracy from the start of the process, regardless of the type or quality of the material.

The advantages our bending machines offer are:

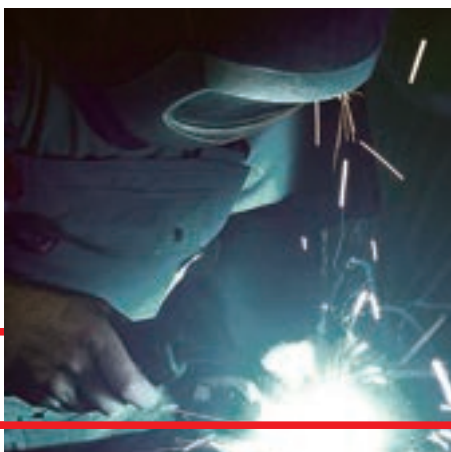
- high measurement accuracy,
- high angle bending accuracy,
- highest possible reproducibility (identical products),
- storage of information on your product in our database (faster production when reordered).



SHEET METAL AND PROFILE CUTTING

Using hydraulic cutting shears, we cut sheet metal up to a length of 4000 mm and thickness of 8 mm. The positioning and settings of all parameters, such as thickness and type of material or length of sheet metal, are performed through built-in CNC control. This ensures the highest accuracy and quality in the cutting of surfaces. For thinner metal sheet metal, the machine also has pneumatic support arms, which prevent deformation and damage to cut parts.

Our cutting and reeling machines include rollers for reeling and unreeling sheet metal and computer-guided shears, which enable highly accurate cutting. With the option of longitudinal cutting, we can provide sheet metal bands in a reel or plates in various sizes.



WELDING

Based on your requirements and the characteristics of the product, we offer the following welding procedures:

- MIG, MAG, TIG welding procedures,
- spot welding,
- soft and hard soldering,
- mechanical joining (riveting, screwing, punching).



WET COATING

Wet coating is a reliable and high-quality method of surface protection, especially suitable for surfaces which are highly exposed to UV light or those that need to be highly resistant to weather conditions.

Wet coating is performed in a drying chamber (9x4x2.8 m) where we apply the coating with air guns. We use coatings standardized with the RAL colour scale. If you do not find the desired shade within the scale, we use the colours of your choosing.



CONSTRUCTION AND DEVELOPMENT

Use the experience, skill and creativity of our employees. With a parametric 3D modelling programme, we can produce even the most demanding sheet metal parts and elements. We can, for example, use a final product to create a flat matrix, which is then used for laser and plasma cutting or by the punching machine. Data can be processed in all standard file formats (DXF, DWG, STEP, IGES,...).

What you gain through our construction and development:

- optimum use of material,
- lower production costs,
- production improvements,
- optimization of production procedure.

