

ArcelorMittal Construction

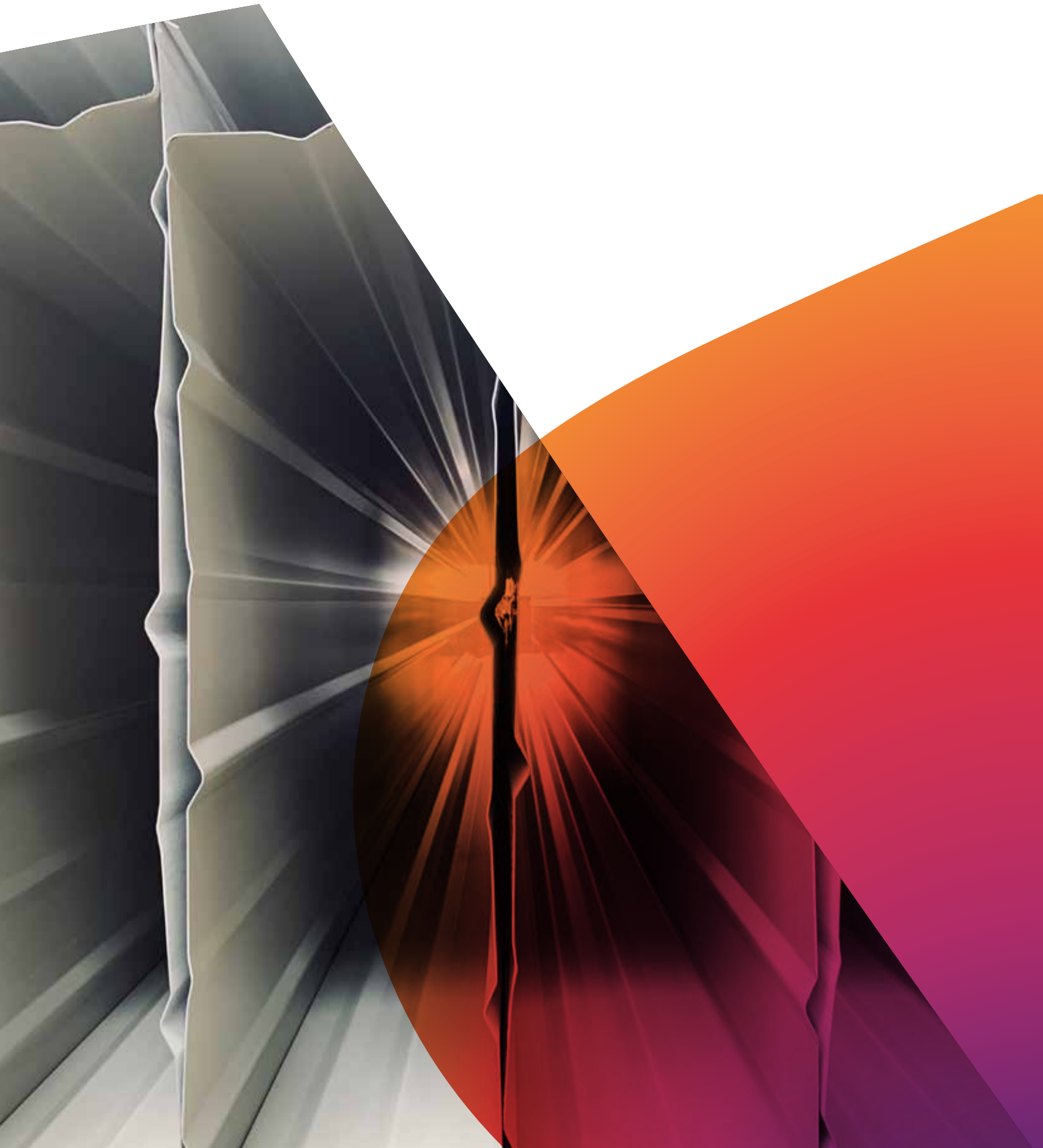


ArcelorMittal

Product Overview

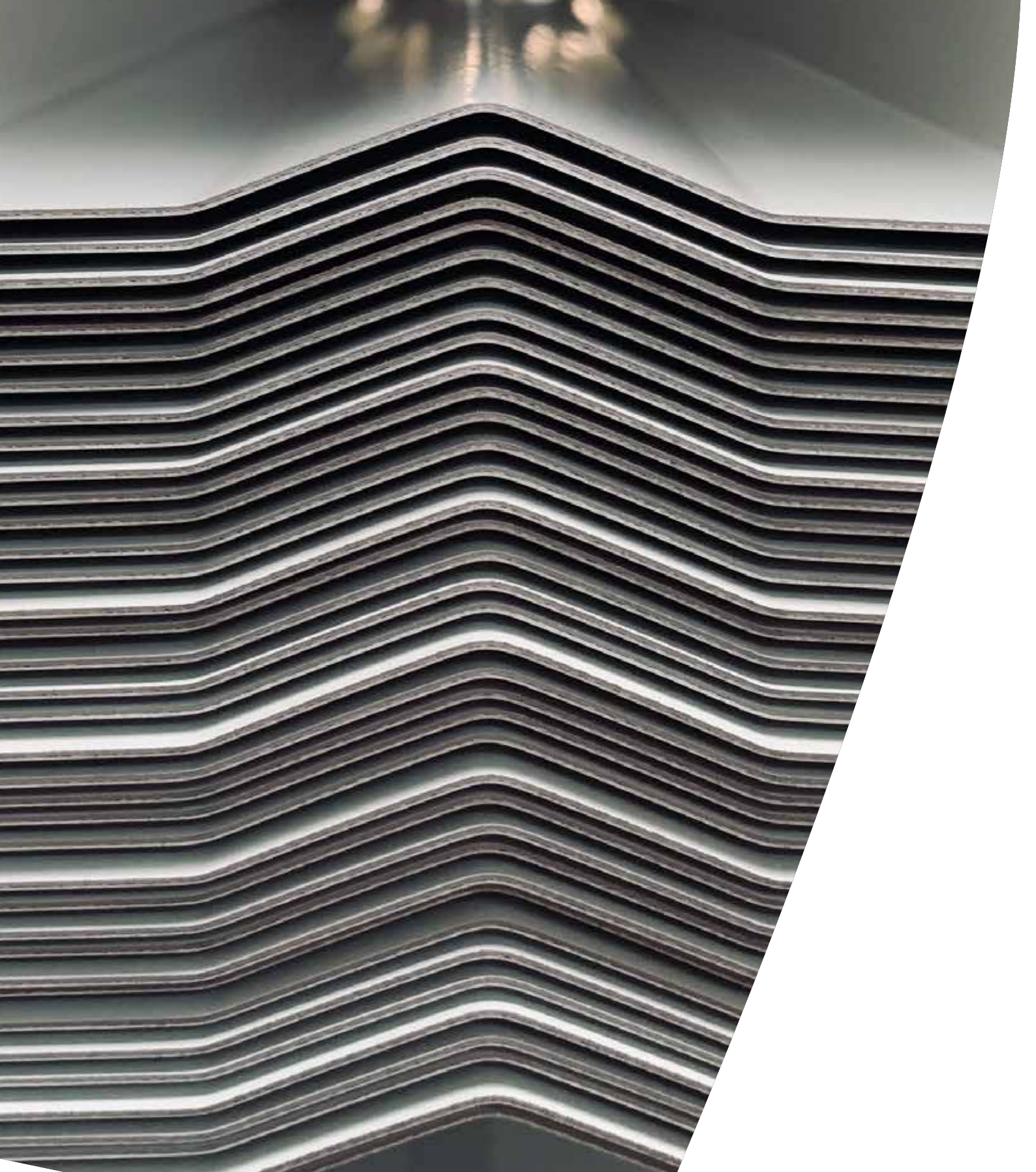
Senica, Slovakia

Inspiring Smarter Building



Contents

Introduction	4
Wall profiles	6
Frequence® 18/76	
Trapeza® 20/137,5	
Trapeza® 35/207	
Trapeza® 40S/160	
Trapeza® 40/160	
Roof profiles	7
Trapeza® 35/207	
Trapeza® 40S/160	
Trapeza® 40/160	
Trapeza® 55/250	
Hacierco® 85/280	
Roof deck profiles	8
Hacierco® 85/280	
Hacierco® 135/310	
Hacierco® 153/290	
Hacierco® 160/250 HL	
Wall liner trays	9
Hacierba® 130/600	
Hacierba® 150/600	
Hacierba® 160/600	
Colours and coatings	10
Coating guide	11
Standard Colours	13
Other Products	14
Smart Support	15



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We build on quality so that you can build further on it

Breaking the boundaries

ArcelorMittal Construction is one of the world's leading manufacturer and provider of systems and solutions made of steel sandwich panels. The company is part of the **ArcelorMittal Group** – the largest steel producer in the world, operating in 60 countries in Europe, North and South America, Asia and Africa.

ArcelorMittal Construction Central East Europe was established to satisfy needs of customers from the Czech Republic, Slovak Republic, Hungary, Croatia and Serbia.

We have experience and up-to-date technologies

Our production program benefits from 25-year tradition and includes a wide range of components used in roofs, facades and composite ceiling. Our specialization is in particular in **a wide portfolio of trapezoidal profiles and C Trays**. We produce most of them in a modern plant in Senica in Slovakia, built in 2007.

Variable system structures and special product structures, various **surface finishes** and **a wide variety of colours** – these are key factors that contribute to high demand for our products and will guarantee success of your constructions.

We know and can make more

We belong to **top producers** on the market in the area of trapezoidal profiles and C Trays. We have **long-term experiences** in their development and production and have thorough knowledge of local facts, unique knowhow and background of a global group.

We benefit from **time flexibility and above-standard customer service**. We execute majority of orders within delivery dates as short as possible and provide our customers also with commercial and technical consultancy.

We respond flexibly to your needs – we take **innovations of existing products, expansion of our assortment range** and finding **new technical solutions** as a natural thing.

Are you challenging? So are we!

All our production processes and product portfolio are solved with taking healthy environment into consideration. Surface finishes and paints we offer do not contain any traces of heavy metal.

We monitor carefully **input material parameters and their processing procedure** during the entire production process. Final products are also subjected to strict inspection. We verify their required mechanical properties and surface finish with thorough laboratory tests.

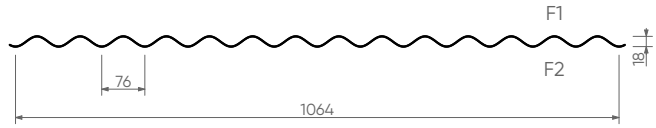
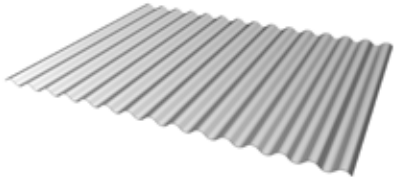
At the same time we pay attention to protection and safety of our employees, the **Safety first** motto accompanies all production stages.

Every order is a challenge for us

Whether your project requires the classic structural elements or you are looking for individual solutions, we always satisfy your needs. In the sphere of production, sales and cooperation, **we always build on quality – so that you could build further on it.**



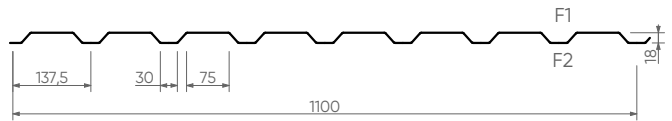
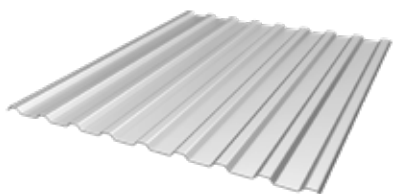
Frequence® 18/76



Thickness (mm)	0,40	0,50	0,60	0,63	0,70	0,75	0,80	0,88	1,00
Weight (kg/m ²)	3,69	4,61	5,53	5,58	6,46	6,92	7,38	8,12	9,22
Length (m)	2,00 - 14,00 ^A								
Material width (mm)	1250								



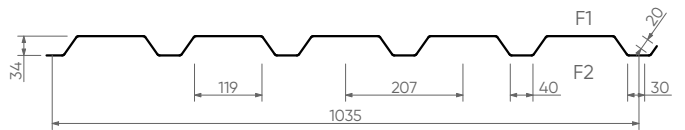
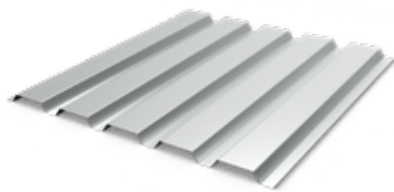
Trapeza® 20/137,5



Thickness (mm)	0,40	0,50	0,60	0,63	0,70	0,75	0,80	0,88	1,00
Weight (kg/m ²)	3,57	4,46	5,35	5,62	6,24	6,69	7,14	7,85	8,92
Length (m)	2,00 - 14,00 ^A								
Material width (mm)	1250								



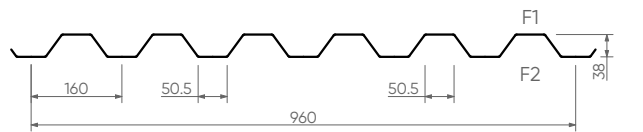
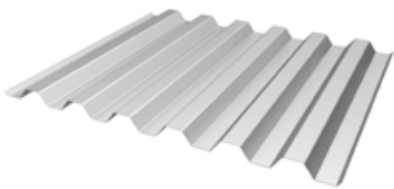
Trapeza® 35/207



Thickness (mm)	0,40	0,50	0,60	0,63	0,70	0,75	0,80	0,88	1,00
Weight (kg/m ²)	3,79	4,74	5,69	5,97	6,64	7,11	7,58	8,34	9,48
Length (m)	2,00 - 14,00 ^A								
Material width (mm)	1250								



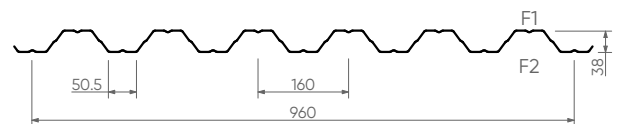
Trapeza® 40S/160



Thickness (mm)	0,40	0,50	0,60	0,63	0,70	0,75	0,80	0,88	1,00	1,25
Weight (kg/m ²)	4,09	5,11	6,13	6,44	7,15	7,67	8,18	8,99	10,22	12,78
Length (m)	2,00 - 15,00 ^B									
Material width (mm)	1250									



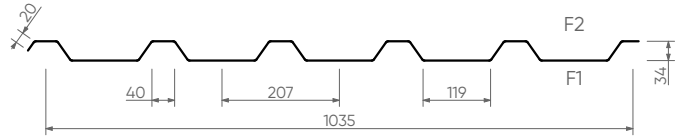
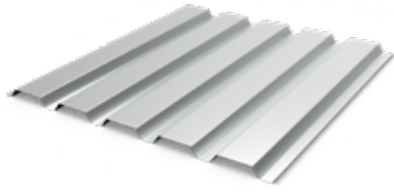
Trapeza® 40/160



Thickness (mm)	0,40	0,50	0,60	0,63	0,70	0,75	0,80	0,88	1,00	1,25
Weight (kg/m ²)	4,09	5,11	6,13	6,44	7,15	7,67	8,18	8,99	10,22	12,78
Length (m)	2,00 - 15,00 ^B									
Material width (mm)	1250									



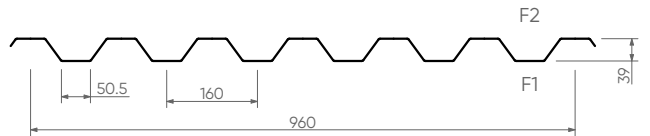
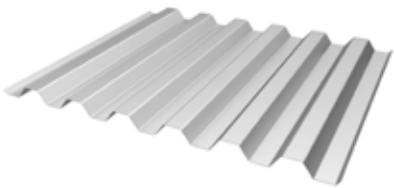
Trapeza® 35/207



Thickness (mm)	0,40	0,50	0,60	0,63	0,70	0,75	0,80	0,88	1,00
Weight (kg/m ²)	3,79	4,74	5,69	5,97	6,64	7,11	7,58	8,34	9,48
Length (m)	2,00 - 14,00 ^A								
Material width (mm)	1250								



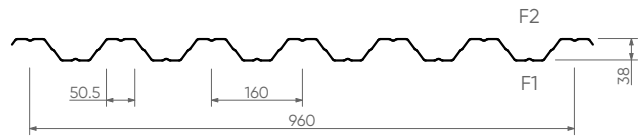
Trapeza® 40S/160



Thickness (mm)	0,40	0,50	0,60	0,63	0,70	0,75	0,80	0,88	1,00	1,25
Weight (kg/m ²)	4,09	5,11	6,13	6,44	7,15	7,67	8,18	8,99	10,22	12,78
Length (m)	2,00 - 15,00 ^B									
Material width (mm)	1250									



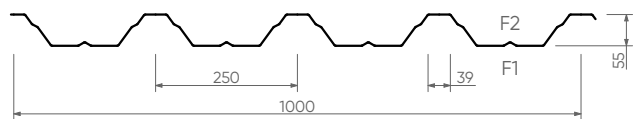
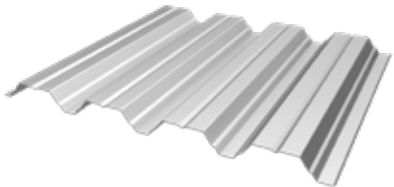
Trapeza® 40/160



Thickness (mm)	0,40	0,50	0,60	0,63	0,70	0,75	0,80	0,88	1,00	1,25
Weight (kg/m ²)	4,09	5,11	6,13	6,44	7,15	7,67	8,18	8,99	10,22	12,78
Length (m)	2,00 - 15,00 ^B									
Material width (mm)	1250									



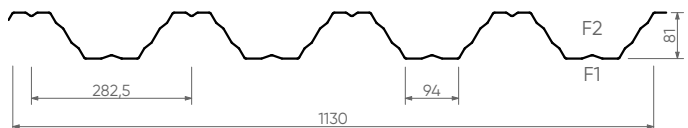
Trapeza® 55/250



Thickness (mm)	0,60	0,63	0,70	0,75	0,80	0,88	1,00	1,25
Weight (kg/m ²)	5,89	6,18	6,87	7,36	7,85	8,64	9,81	12,27
Length (m)	2,00 - 14,00 ^C							
Material width (mm)	1250							



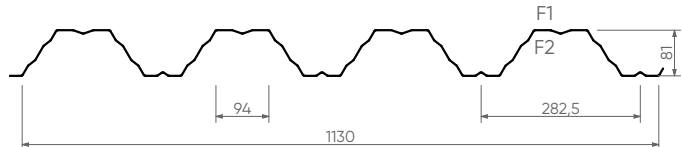
Hacierco® 85/280



Thickness (mm)	0,75	0,88	1,00	1,13	1,25	1,50
Weight (kg/m ²)	7,82	9,17	10,42	11,77	13,03	15,63
Length (m)	2,00 - 16,50					
Material width (mm)	1500					



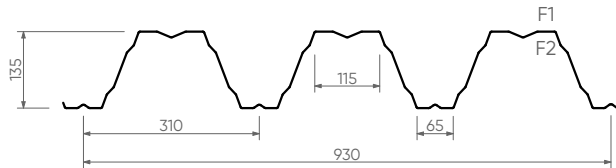
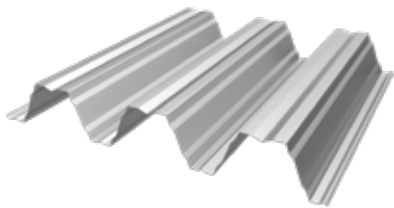
Hacierco® 85/280



Thickness (mm)	0,75	0,88	1,00	1,13	1,25	1,50 ^c
Weight (kg/m ²)	7,82	9,17	10,42	11,77	13,03	15,63
Length (m)	2,00 - 16,50					
Material width (mm)	1500					



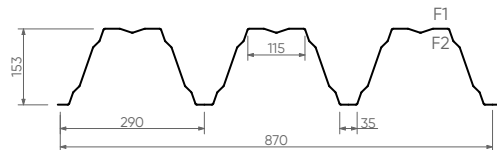
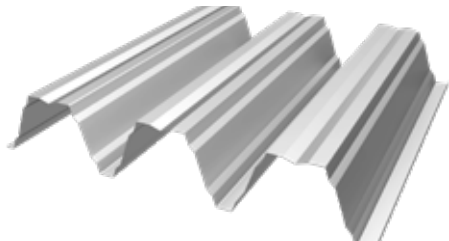
Hacierco® 135/310



Thickness (mm)	0,75	0,88	1,00	1,13	1,25	1,50 ^d
Weight (kg/m ²)	9,50	11,14	12,66	14,31	15,83	18,99
Length (m)	2,00 - 16,50 ^d					
Material width (mm)	1500					



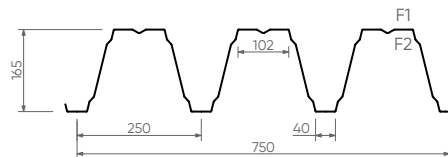
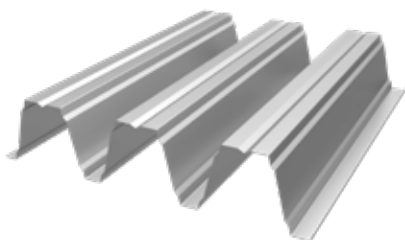
Hacierco® 153/290



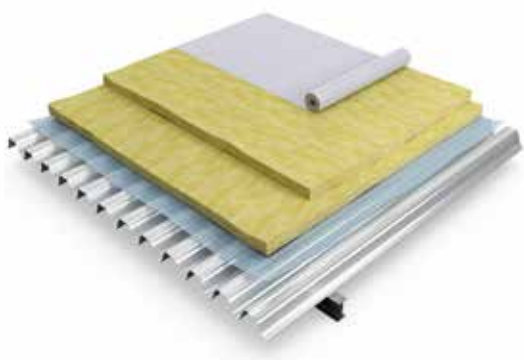
Thickness (mm)	0,75	0,88	1,00	1,13	1,25 ^e	1,50 ^e
Weight (kg/m ²)	10,15	11,91	13,53	15,29	16,92	20,30
Length (m)	2,00 - 16,50					
Material width (mm)	1500					



Hacierco® 160/250 HL



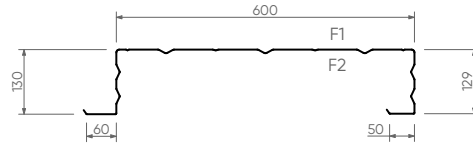
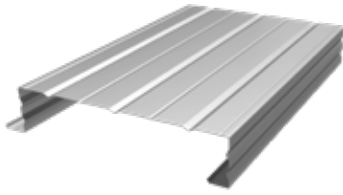
Thickness (mm)	0,75	0,88	1,00	1,13	1,25 ^e	1,50 ^e
Weight (kg/m ²)	11,78	13,82	15,70	17,74	19,63	23,55
Length (m)	2,00 - 16,50					
Material width (mm)	1500					



Globalroof®

Flat roof systems with simple and safe solutions according to fire protection requirements.

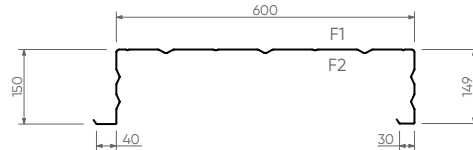
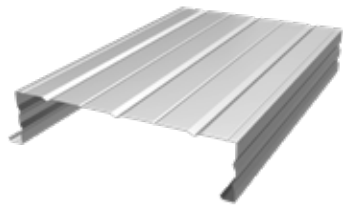
Hacierba® 130/600



Thickness (mm)	0,75 ^c	0,88	1,00	1,25
Weight (kg/m ²)	9,81	11,51	13,08	16,35
Length (m)	2,00 - 12,00 ^f			
Material width (mm)	1000			



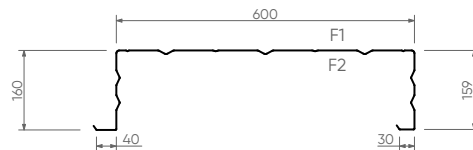
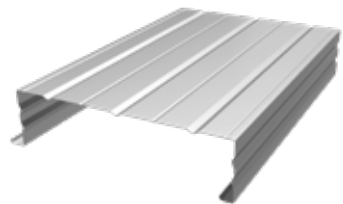
Hacierba® 150/600



Thickness (mm)	0,75 ^c	0,88	1,00	1,25
Weight (kg/m ²)	9,81	11,51	13,08	16,35
Length (m)	2,00 - 12,00 ^f			
Material width (mm)	1000			



Hacierba® 160/600



Thickness (mm)	0,75 ^c	0,88	1,00	1,25
Weight (kg/m ²)	10,01	11,74	13,35	16,68
Length (m)	2,00 - 12,00 ^f			
Material width (mm)	1020			



Legend:

- Anti-condensation fleece
- Translucent profile
- Perforation
- Fire certification

Notes:

- ^A Consultation is required for possible production length for 0,40 and 0,50 mm thicknesses
- ^B Production length for 0,50 and 0,55 mm thicknesses is 2,00-6,00 m
- ^C Preliminary consultation is required
- ^D Production length for 1,50 mm thickness is 5,00-16,50 m
- ^E Preliminary consultation is required for anti-condensation fleece for 1,25 and 1,50 mm thicknesses
- ^F Production length for 1,25 mm thickness is 3,00-12,00 m
- ^G Production length for 0,60 mm thickness is 2,00-6,00 m

Globalwall®

Double-skin wall systems with enhanced fire protection and acoustic solutions.



Colours and coatings

We're determined to help ensure that for many years to come your building looks as good as it did when it was first built. Our wide range of coatings offer you the finish you are looking for with the added security of up to a 40-year warranty. Millions of finish and colour combinations offer almost limitless possibilities.

For more challenging environments, our coatings can be finished with anti-graffiti or self-cleaning layers, minimising maintenance costs and keeping your building looking great in the future.

Sustainability

ArcelorMittal Construction is passionate about the planet. We strive to create new building systems

that make our world a better and safer place – supported by local design and advanced knowhow, shaped by a century of curiosity and discovery. We all have a responsibility to improve our environment and stay on top of regulatory and economic issues. That's why ArcelorMittal Construction invests heavily in R&D and new industrial solutions. We're committed to shrinking the environmental footprint of buildings through our never-ending pursuit of innovation in steel and components.

ZMevolution®

A sustainable composition with unique and superior corrosion resistance. ZMevolution® is an innovative galvanized steel specifically designed for the construction industry. Thinner, stronger and more resilient, this new and improved generation of sustainable metallic coating offers exceptional aesthetic appeal, superior corrosion resistance, and a lifespan up to three times longer than standard zinc coating.



Coating guide

External Organic coatings	Category		EN 10169		Urban and industrial			Marine				Special		
	DIN 55634	NF P 34-301	UV category	Corrosion category	Unpolluted rural	Normal	Severe	20 to 10 km	10 to 3 km	3 to 1 km	1 km to 300 m	Mixed	High UV	Special
Hairplus®	C4	IV	RUV3	RC3	A	A	C	A	B	C	C	C	B	C
Hairultra® / Naturel / Authentic	C4	VI	RUV4	RC4	A	A	B	A	A	A	B	B	A	B
Edyxo®	C5-I & C5-M	VI	RUV4	RC5	A	A	B	A	A	A	B	B	A	B
Stardust® / Irysa®	C5-I & C5-M	VI	RUV4	RC5	A	A	B	A	A	B	B	B	A	B
R'Unik	C5-I & C5-M	VI	RUV5	RC5*	A	A	B	A	A	A	B	B	A	B
Intense / Pearl	C5-I & C5-M	VI	RUV5	RC5	A	A	B	A	A	A	B	B	A	B
Hairexcel® / Tectova®	C5-I & C5-M	VI	RUV5	RC5+*	A	A	B	A	A	A	B	B	B	B
Sinea®	C5-I & C5-M	VI	RUV5	RC5+	A	A	B	A	A	A	A	B	A	B

A - The product is suitable B - Subject to approval C - Not suitable *Excluding metallic shades

Internal Organic coatings	Category		EN 10169	Not aggressive			Slightly aggressive	Aggressive	Very aggressive
	DIN 55634	NF P 34-301	Humidity category	Low humidity	Average humidity	High humidity	Humid (high humidity)	Very humid (high humidity)	Saturated (high humidity)
Interieur	C2	II	CPI2	A	B	C	C	C	C
Hairplus®	C4	IIIa	CPI3	A	A	B	C	C	C
Hairultra® / Edyxo® / Irysa®	C4	IIIa	CPI4	A	A	A	B	C	C
Naturel / Authentic	C4	IIIa	CPI4	A	A	A	B	B	C
R'Unik	C4	IVb	CPI4	A	A	A	A	B	C
Tectova®	C5-I & C5-M	IVb	CPI4	A	A	A	A	B	C
Hairexcel®	C5-I & C5-M	IVb	CPI5	A	A	A	A	B	C
Intense / Pearl / Stardust	C5-I & C5-M	Vc	CPI5	A	A	A	A	B	C
Sinea®	C5-I & C5-M	Vc	CPI5	A	A	A	A	B	B

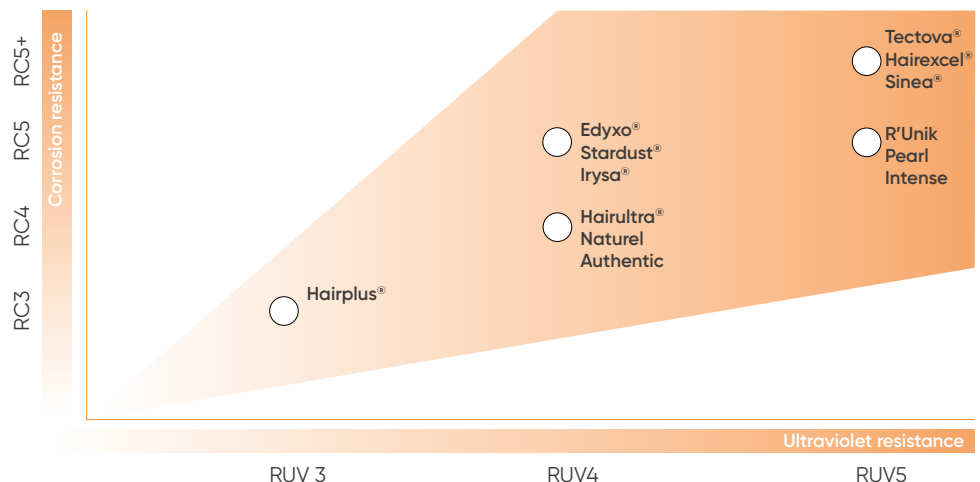
Corrosion and ultraviolet resistance

ArcelorMittal Construction must be consulted regarding the corrosivity categories C4, C5-I and C5-M.

In case of very high moisture and corrosion exposure, the mentioned corrosiveness categories are not applicable. Only applies to the inner skin of double skin systems.

For highly aggressive environments, additional coatings are available.

Contact your sales representative for more information.





Standard colours

Wall and roof profiles

Frequence® 18/76; Trapeza® 20/137,5; Trapeza® 35/207; Trapeza® 40S/160; Trapeza® 40/160; Trapeza® 55/250*

Material width: 1250 mm

Material thickness (mm):			0,50	0,55	0,60	0,63	0,70	0,75	0,80	0,88	1,00	1,25	1,50
Hairplus®	25 µm	RAL 1015	✓		✓		✓						
Hairplus®	25 µm	RAL 3000			✓		✓						
Hairplus®	25 µm	RAL 3011			✓		✓						
Hairplus®	25 µm	RAL 5010	✓				✓						
Hairplus®	25 µm	RAL 6011	✓		✓		✓						
Hairplus®	25 µm	RAL 6028					✓						
Hairplus®	25 µm	RAL 6029					✓						
Hairplus®	25 µm	RAL 7016	✓		✓		✓		✓				
Hairplus®	25 µm	RAL 7035			✓		✓						
Hairplus®	25 µm	RAL 8012			✓		✓						
Hairplus®	25 µm	RAL 8017			✓		✓						
Hairplus®	25 µm	RAL 9002	✓		✓		✓		✓		✓	✓	
Hairplus®	25 µm	RAL 9005			✓								
Hairplus®	25 µm	RAL 9006	✓		✓		✓		✓				
Hairplus®	25 µm	RAL 9007	✓		✓		✓						
Hairplus®	25 µm	RAL 9010	✓		✓		✓		✓				
Interieur	12 µm	RAL 912						✓					
AluZinc				✓		✓		✓		✓	✓	✓	
Galvanised steel					✓		✓		✓		✓	✓	

* Minimum thickness: 0,60 mm

Roof deck profiles

Hacierco® 85/280; Hacierco® 135/310; Hacierco® 153/290; Hacierco® 160/250 HL

Material width: 1500 mm

Material thickness (mm):			0,55	0,60	0,63	0,70	0,75	0,80	0,88	1,00	1,13	1,25	1,50
Interieur	12 µm	RAL 9002					✓	✓	✓	✓	✓	✓	✓
Interieur	15 µm	RAL 9002					✓		✓	✓	✓	✓	✓
Interieur	15 µm	RAL 9010					✓		✓	✓	✓	✓	✓

Wall liner trays

Hacierba® 130/600; Hacierba® 150/600; Hacierba® 160/600**

Material width: 1000 mm, **1020 mm

Material thickness (mm):			0,50	0,55	0,60	0,63	0,70	0,75	0,80	0,88	1,00	1,25	1,50
Interieur	12 µm	RAL 912						✓		✓	✓		

Material remarks:

Hairplus® 25 µm: Zinc 275 / ZM 120
Interieur 12-15 µm: Zinc 100 / ZM 60

AluZinc: AZ 185
Galvanised steel: Zinc 225 / ZM 100

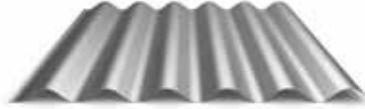
Other products

See our product range at construction.arcelormittal.com

Sinus profiles



Frequence[®] 25/115



Frequence[®] 43/180



Frequence[®] 51/177

Architectural profiles



Eclectic[®]



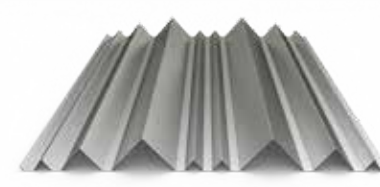
Oceane[®]



Hairplan[®]



Creneo[®]



Isis[®]

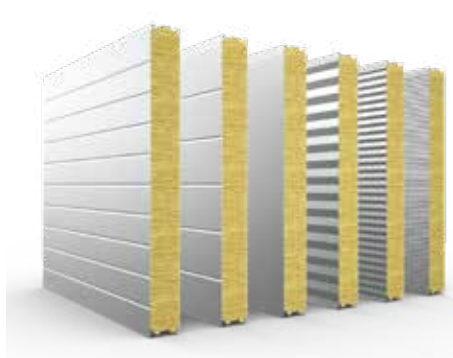


Vibrato[®]

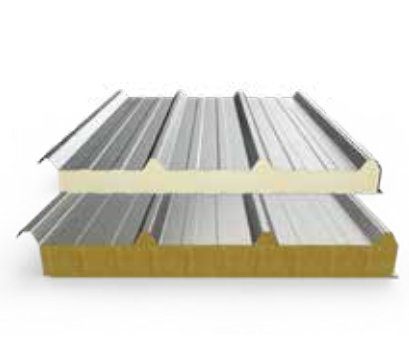
Sandwich panels



Promisol[®], Ondatherm[®]
PIR
wall sandwich panels



Pflaum[®]
mineralwool
wall sandwich panels



Ondatherm[®], Ondarock[®]
PIR and mineralwool
roof sandwich panels

Smart Support is our promise to you; a comprehensive package of support that our customers can rely upon.



From design, industry expertise and training to environmental assessments and warranties, Smart Support offers you local knowledge and understanding to help you deliver your project efficiently and effectively.



Environmental Assessment

Ensuring the right products are chosen for a specific building environment and design from the start of any project is essential. Our technical team is available to help identify ways to optimise the design, performance and construction of your building from the very beginning by carrying out a full environmental assessment of your project. Our assessment includes appraising the building's environment, including situation, weather conditions and interior and exterior surroundings, alongside its design and performance. Based on this we will advise on the optimum solutions for your specific building, ways to enhance performance and construction logistics.



Technical and Design Support

Our local technical and design experts are available to assist you with both on-site, online and phone support. From reviewing the technical and design aspects of your project, to preparing specific design drawings, specifications, calculations and any other technical assistance required around performance, installation and logistics, our experienced team is on hand.



BIM Expertise

We can support you by providing standard or project specific BIM objects and advise on the development of your project using our solutions. A complete BIM library of our standard range of products is available to download and we can build bespoke BIM objects for any specially designed solutions.



Tailor-made Solutions

We pride ourselves in being adaptable and flexible, helping our customers to achieve their vision. Our bespoke solutions ensure that specifiers and developers don't need to compromise on design. Working closely with our R&D and Technical teams we support clients around the world with flexible, tailor-made solutions, whatever the size, shape, colour or coating they are looking for.



Fast Product and Colour Sampling

Not sure which solution or colour is right for you? Contact your local support team who will be pleased to organise product samples or colour charts for our complete range of panel and façade solutions.



Project Support

Support does not just end after specification. From logistics to installation our support teams are available locally to help you optimise delivery, panel and façade installation and advise on post-installation maintenance; providing support across the whole product lifecycle.



All Backed by Our Flexible Warranty

We don't believe in a one size fits all approach to warranties. There are many factors that influence the longevity of a building and its component parts. This is why we develop individual warranties for every building our products are installed in. Our clear, no-quibble warranties are tailored to you and your project needs and our coatings are covered for up to 40 years.



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