



ArcelorMittal

ArcelorMittal Construction

December 2019

# ArcelorMittal at a glance :

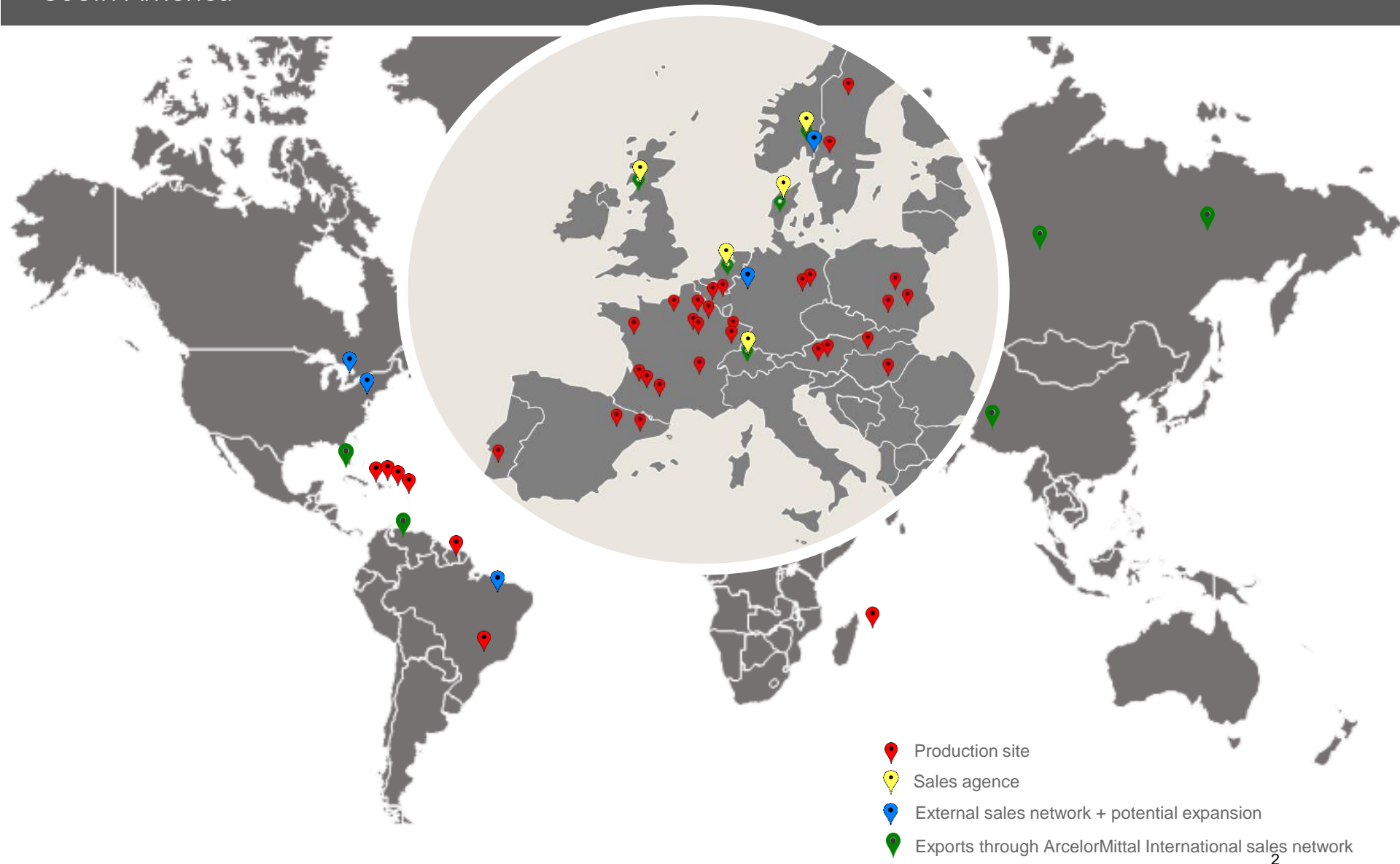


# ArcelorMittal Construction at a glance :

Extensive proximity network in Europe and current expansion to US, Canada & South America



ArcelorMittal





# The complete offer for steel building systems & solutions for envelope





# ArcelorMittal Construction at a glance:

High quality product portfolio with the largest product offering in the market

## Coil Coating<sup>(1)</sup>

### Focus

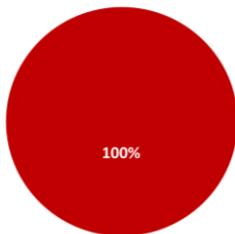
- Pre-painted coils with a wide range of colors and organic coatings responding to all environmental conditions.
- Our coatings are developed to address the architectural needs of our customers.

### Key Products



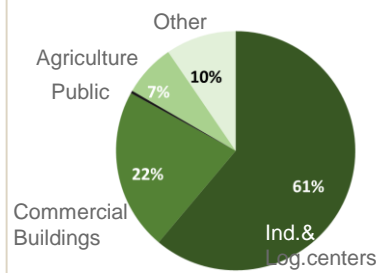
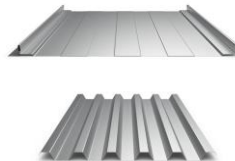
### End markets

Coils sold to AMC



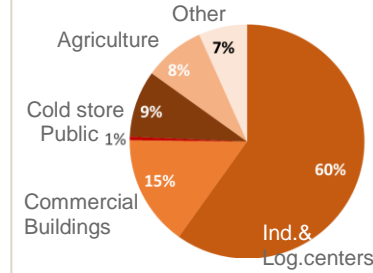
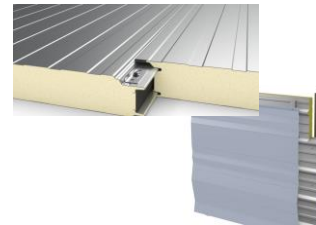
## Building components

- A wide range metal panels , for roof, wall and flooring purpose applicable to all segments and regional specifications.
- A specific range of decking for support of PV modules.



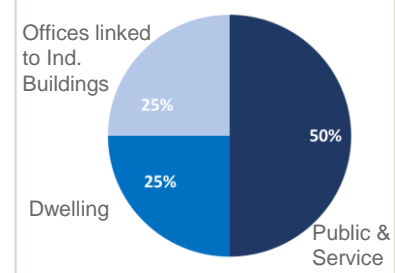
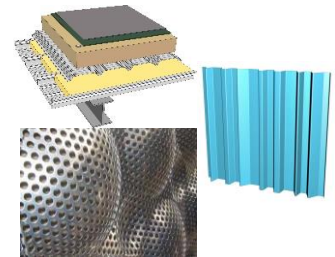
## Insulated panels systems

- Insulated panels systems with PIR/PUR or MW, single or in system, applicable in all segments, provide the perfect solution to all regulatory performances and aesthetics.



## Architectural Façade Systems

- A creative offer of multiple shapes, coatings and metallic surfaces, very often tailor made to the architectural concept of our customers.



# Area of activities

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Industrial plants/warehouses



Residential



Car parks



Food processing, Cold storage



Agriculture, Farm buildings



Refurbishment, Renovation



Commercial



Office



Public

# References

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France  
ADPi ASSEMBLING PLANT AIRBUS380



Spain  
ARENA BILBAO



Others  
BAKU CONCERT HALL AZERBAIJAN



Qatar  
DOHA SPORT CITY TOWER - QATAR



France  
FOOTBALL STADIUM BORDEAUX



Poland  
GALERIA JASTRZEBIE



France  
HOTEL ANNEXE STADE DE LILLE



Netherlands  
MFS ZOETERMEER



# References

---



France  
OFFICE BUILDING AG2R



France  
STADIUM GEOFFROY GUICHARD



Switzerland  
SUISSPORARENA STADIUM



France  
TECHNOCAMPUS OCEAN



South Africa  
THEATER SOWETO



France  
TOWER D2 - LA DEFENSE PARIS



France  
USINE D'INCINERATION DES DECHETS



France  
ZENITH - ROUEN



ArcelorMittal

# ArcelorMittal Construction: Product portfolio

High quality product portfolio with the largest product offering in the market

Focus

## Materials and steel Coating<sup>(1)</sup>

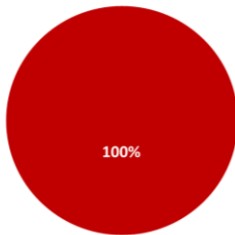
- Pre-painted coils with a wide range of colors and organic coatings responding to all environmental conditions.
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Key Products



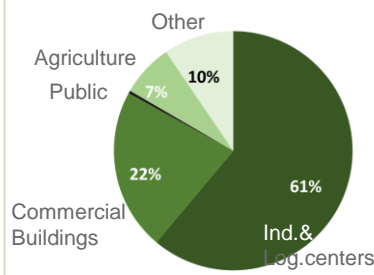
End markets

Coils sold to AMC



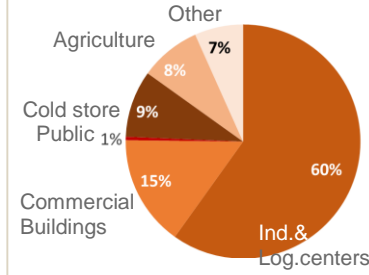
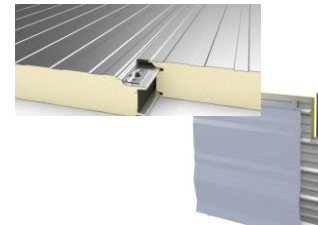
## Building components

- A wide range metal profiles, for roof, wall and flooring purpose applicable to all segments and regional specifications.
- A specific range of decking for support of PV modules.



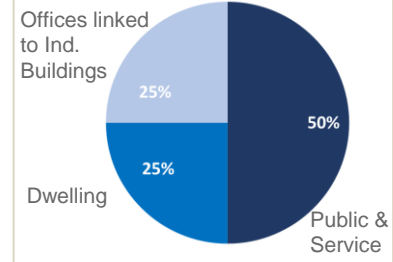
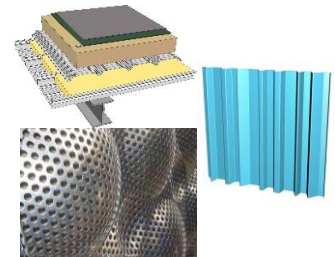
## Insulated panels systems

- Insulated panels systems with PIR/PUR or MW, single or in system, applicable in all segments, provide the perfect solution to all regulatory performances and aesthetics.



## Architectural Façade Systems

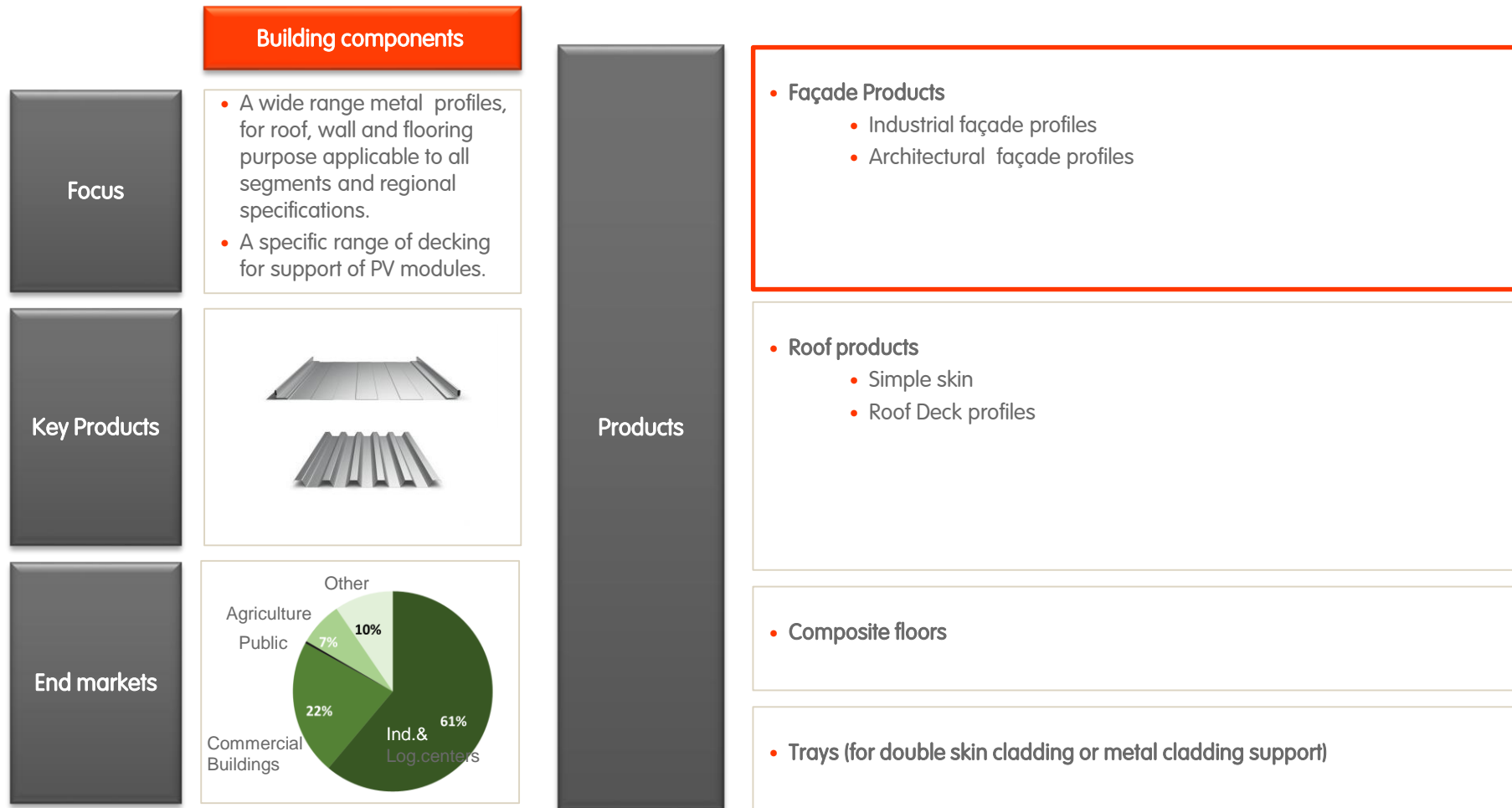
- A creative offer of multiple shapes, coatings and metallic surfaces, very often tailor made to the architectural concept of our customers.





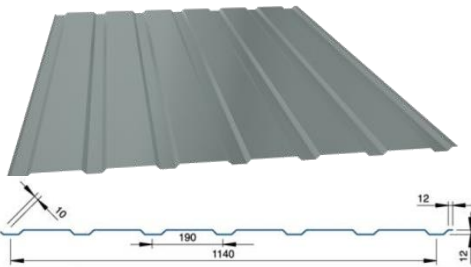
# ArcelorMittal Construction: Building components

High quality product portfolio with the largest product offering in the market





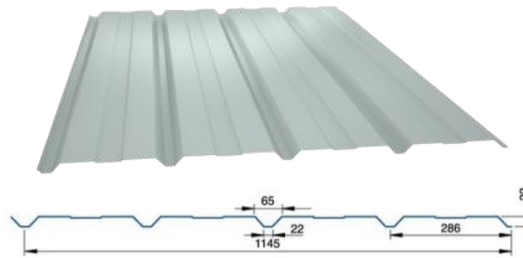
Euroline® 12 (6.182.12)



Length (mm) min./max.:100/4.000



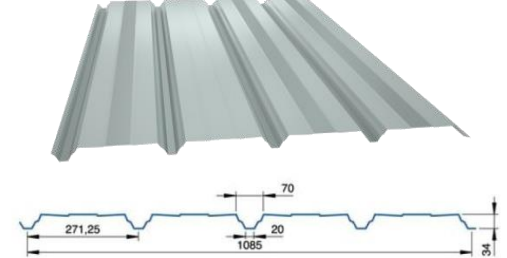
Euroform® 23 (4.285.23)



Length (mm) min./max.:1.800/16.990



Euroform® 34 (4.271.34)



Length (mm) min./max.:1.800/14.000



Visible fixing

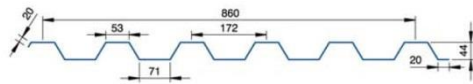
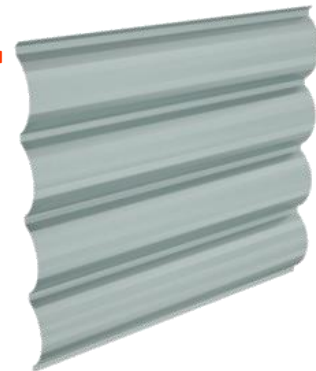
Euromodul® 44 (5.172.44)



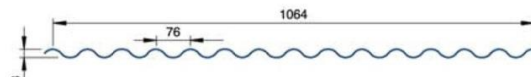
Minionda® (14.76.18)



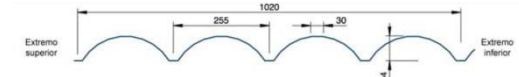
Egeo® (4.255.64)



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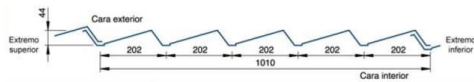
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Length (mm) min./max.:1.800/16.990



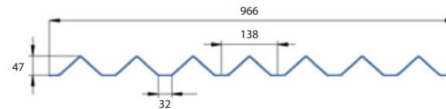
Atenea® (5.202.44)



Length (mm) min./max.:1.800/16.990



Keops® (7.138.47)



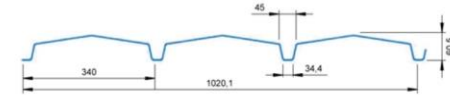
Length (mm) min./max.:1.800/16.990



Creta® (3.340.60)



Smooth Micro-ribbed Micro-ribbed A Micro-ribbed B



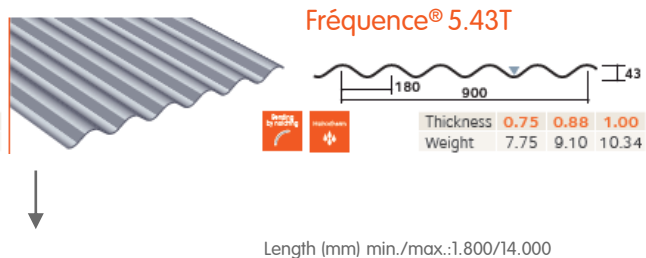
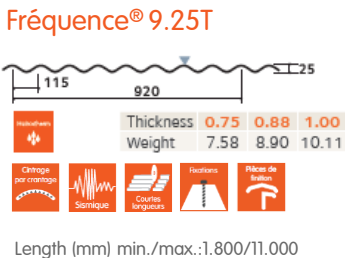
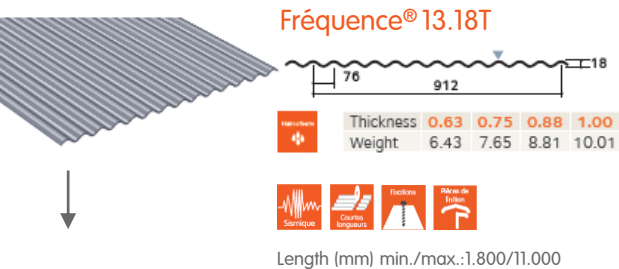
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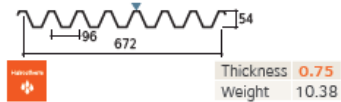
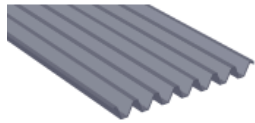
Façade products | Architectural façade profiles

Visible fixing



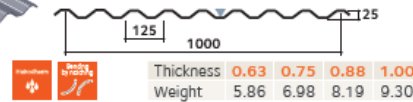
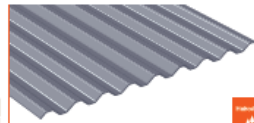
Visible fixing

Trapéza® 7.96.54T



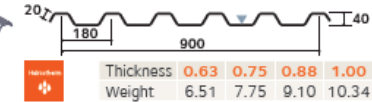
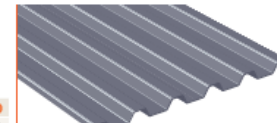
Length (mm) min./max.:1.800/12.000

Trapéza® 8.125.25T

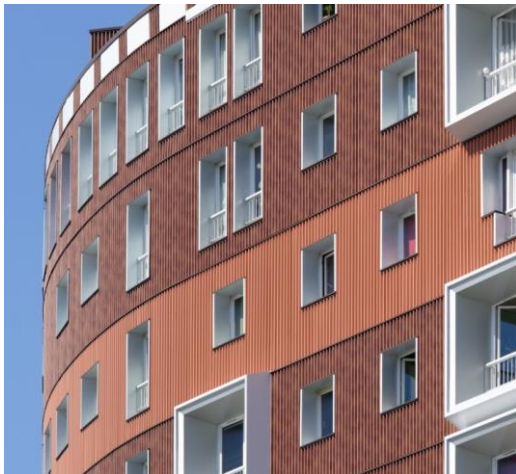


Length (mm) min./max.:1.800/13.000

Chantilly® 5.180.40T



Length (mm) min./max.:1.800/11.000



Trapéza® 11.100.8B



Epaisseur (mm)	0,63	0,75	0,88	1,00
Masse (kg/m²)	5,33	6,34	7,44	8,45



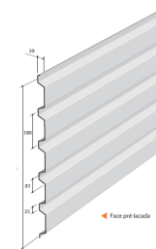
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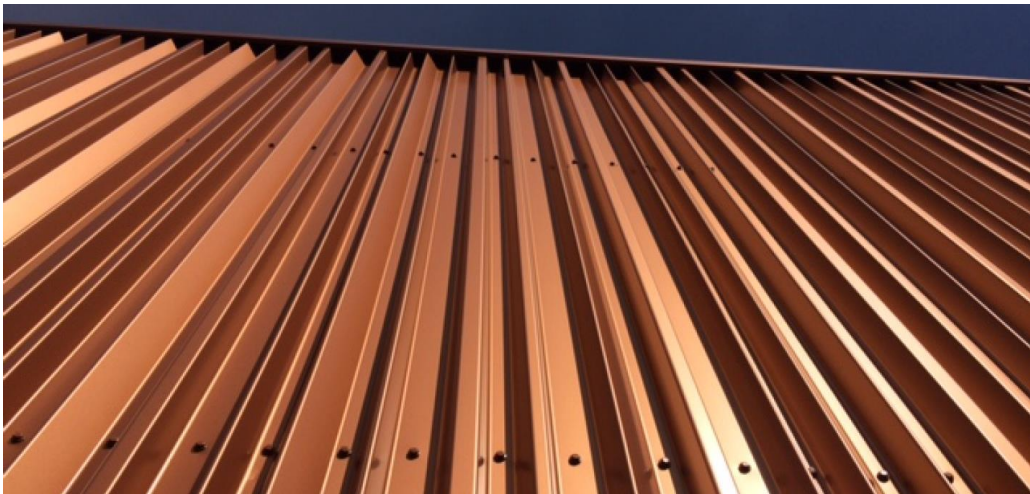
Trapéza® 5.189.39B



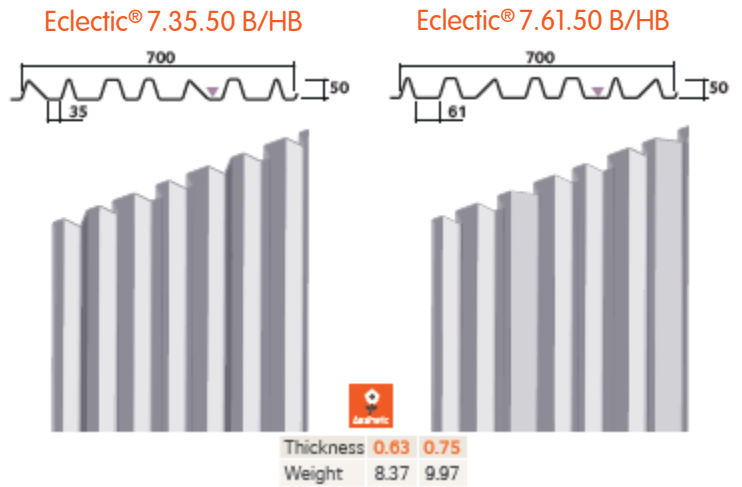
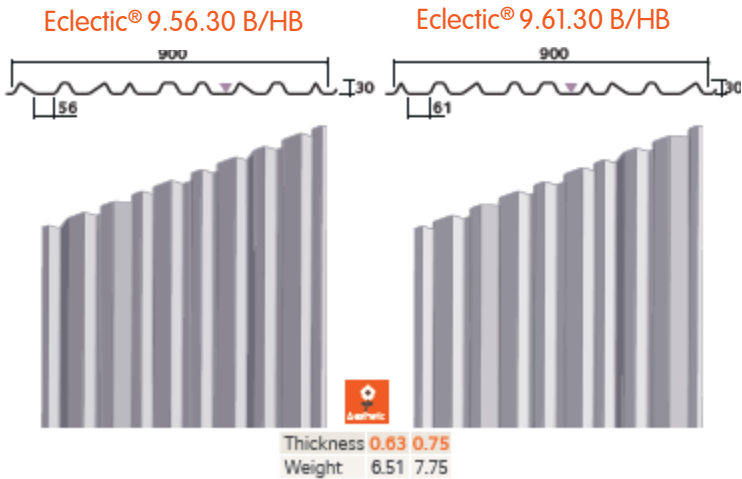
Epaisseur (mm)	0,63	0,75	0,88	1,00	1,25
Masse (kg/m²)	6,40	7,62	8,95	10,17	12,71



Creative shapes



Visible fixing



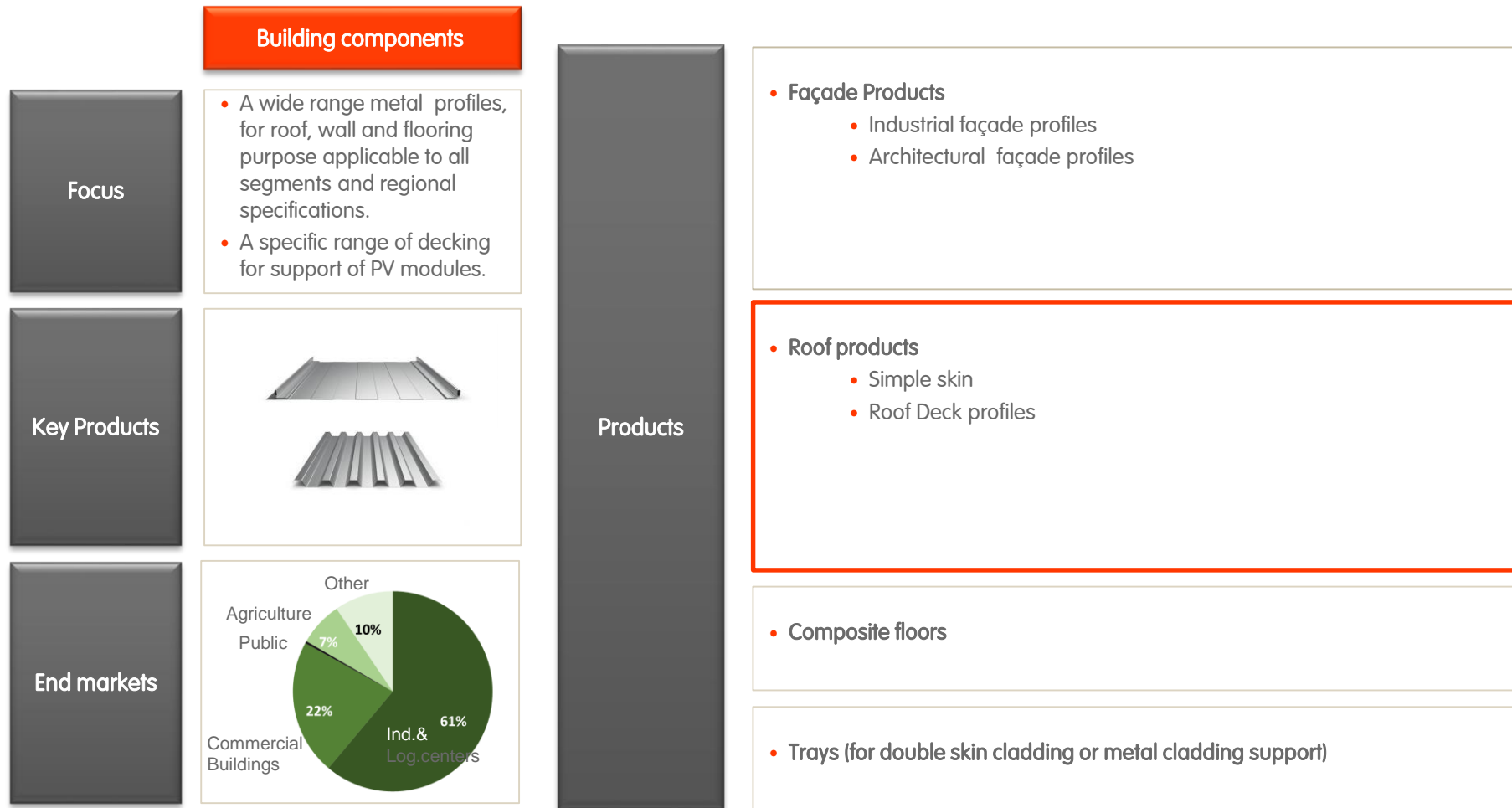
Length (mm) min./max.:1.800/12.000





# ArcelorMittal Construction: Building components

High quality product portfolio with the largest product offering in the market

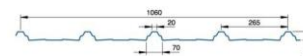


Eurocover® range



Eurocover 34N  
(4.265.34)

Length (mm) min./max.:1.800/14.000

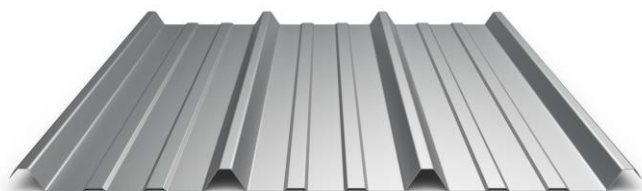


Eurocover 40N  
(3.341.40)

Length (mm) min./max.:1.800/16.990

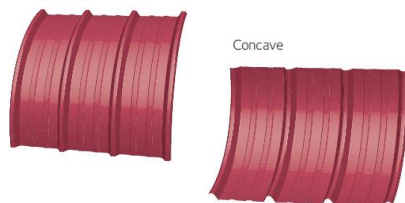


Trapéza® range



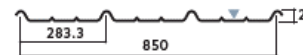
Convexe

Concave



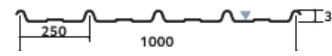
Trapéza® 3.283.29T

Length (mm) min./max.:1.800/13.000



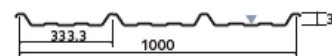
Trapéza® 4.250.35T

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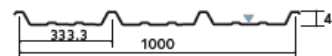
Trapéza® 3.333.39T\*

Length (mm) min./max.:1.800/12.800



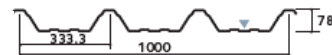
Trapéza® 3.45.1000TS

Length (mm) min./max.:1.800/13.000



Trapéza® 3.333.79T

Length (mm) min./max.:1.800/18.000



Thickness	0.63	0.75
Weight	5.82	6.93



Thickness	0.63	0.75	0.88	1.00	1.25
Weight	5.86	6.98	8.19	9.30	11.63



Thickness	0.63	0.75	0.88	1.00	1.25
Weight	5.86	6.98	8.19	9.30	11.63



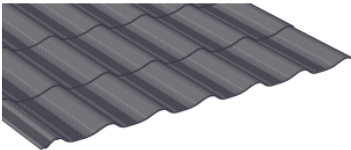
Thickness	0.63	0.75	0.88	1.00
Weight	6.03	7.18	8.43	9.58



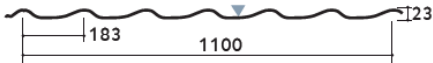
Thickness	0.63	0.75	0.88	1.00	1.25
Weight	6.43	7.65	8.98	10.20	12.76



Roof products | Simple skin

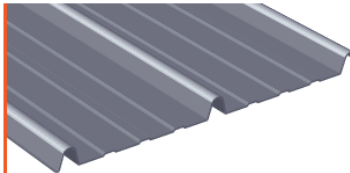


Halny® 1100

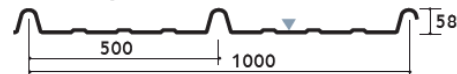


Thickness	0.50
Weight	4.46

Length (mm) min./max.:1.800/8.000



Authentique® 2.500.58T

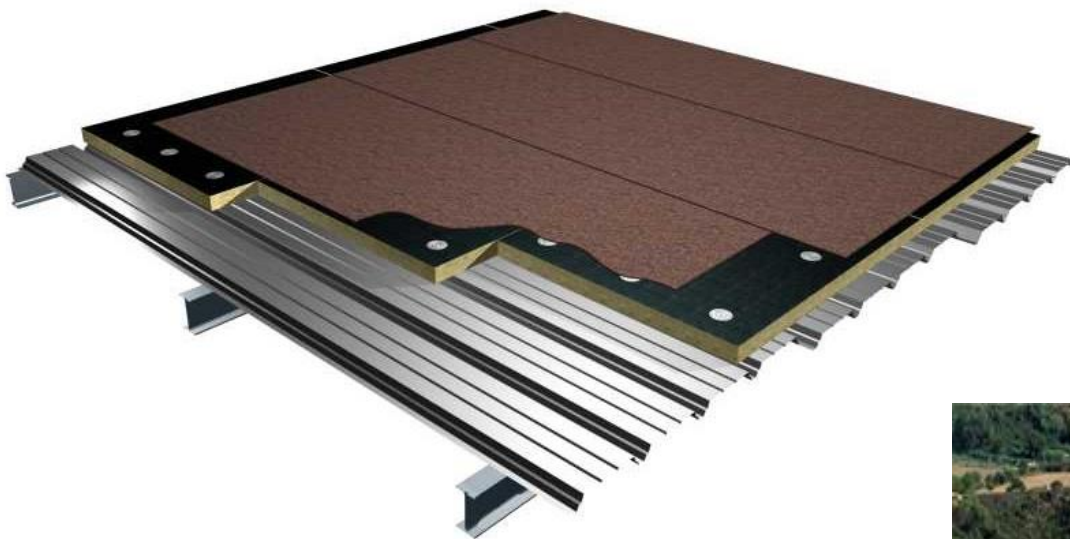


Thickness	0.75
Weight	7.65

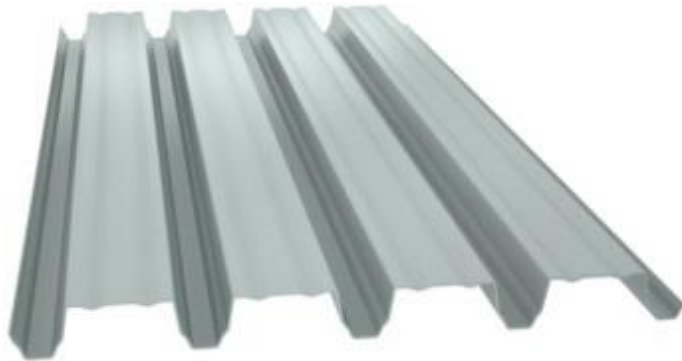
Length (mm) min./max.:1.800/12.000







Eurobase® range\*



Eurobase® complete range

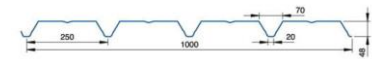
**Eurobase® 40 ( 4.266.40)**

Length (mm) min./max.:1.800/16.990



**Eurobase® 48 (4.250.48)**

Length (mm) min./max.:1.800/14.000



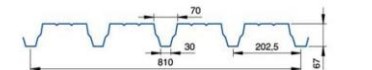
**Eurobase® 56 (4.238.56)**

Length (mm) min./max.:1.800/14.000



**Eurobase® 67 (4.202.67)\***

Length (mm) min./max.:1.800/14.000



**Eurobase® 106 (3.250.106)**

Length (mm) min./max.:1.800/16.990



Hacierco® range



Hacierco® complete range

Hacierco® C38/P

Length (mm) min./max.:1.800/15.000

Hacierco® C50/P

Length (mm) min./max.:1.800/15.000

Hacierco® 34 SR/SRP/SRC

Length (mm) min./max.:1.800/15.000

Hacierco® 39 TSE

Length (mm) min./max.:1.800/12.800

Hacierco® 40 SR/SRP/SRC

Length (mm) min./max.:1.800/15.000

Hacierco® 46 S/SP/SC

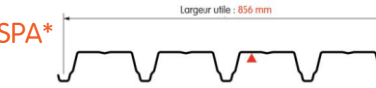
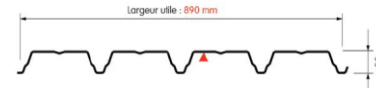
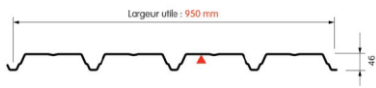
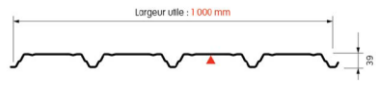
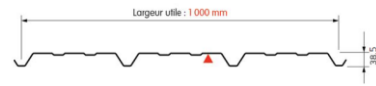
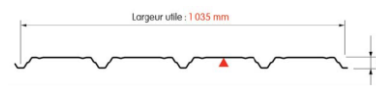
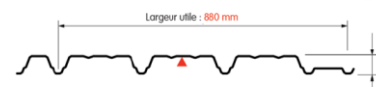
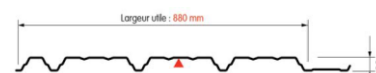
Length (mm) min./max.:1.800/15.000

Hacierco® 56 S/SC/SP/SPS

Length (mm) min./max.:1.800/15.000

Hacierco® 74 S/SC/SP/SPS/SPA\*

Length (mm) min./max.:1.800/22.000





Hacierco® range

Hacierco® complete range

Hacierco® 109 HP/HPA

Length (mm) min./max.:1.800/24.000



Hacierco® 110 S/SPA

Length (mm) min./max.:1.800/17.000



Hacierco® 118 HP/HPA

Length (mm) min./max.:1.800/24.000



Hacierco® 125S

Length (mm) min./max.:1.800/24.000



Hacierco® 133S

Length (mm) min./max.:1.800/24.000



Hacierco® 170 S/SPA

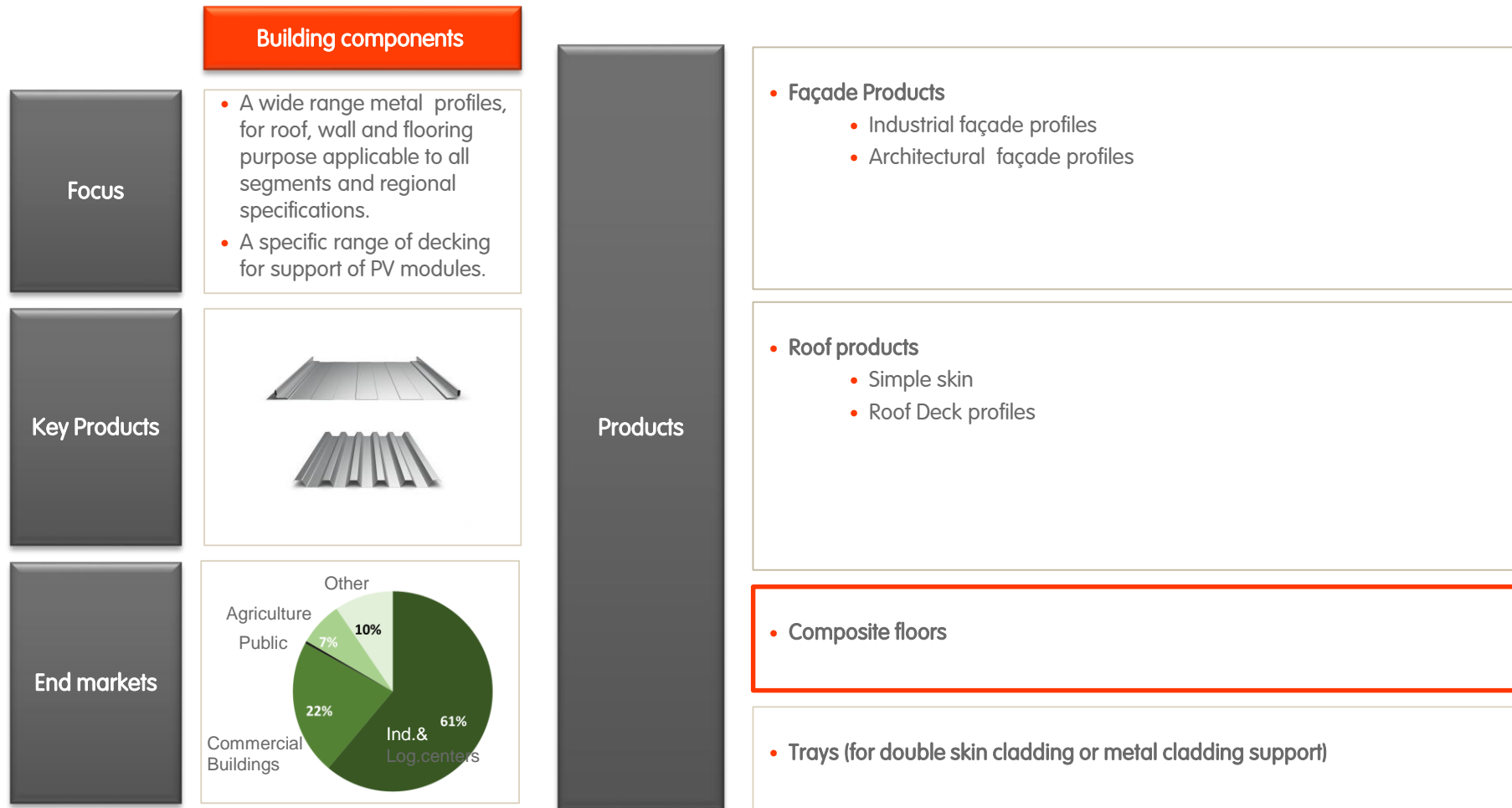
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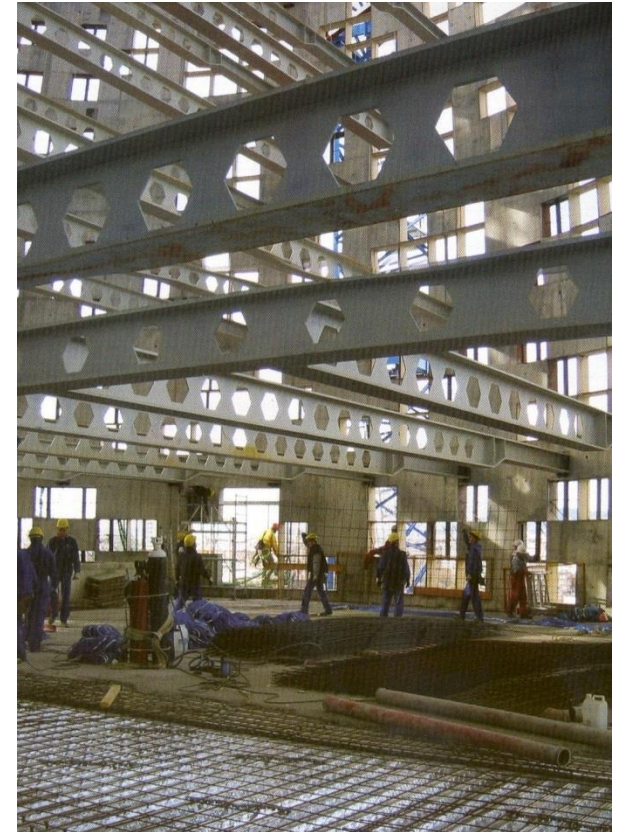
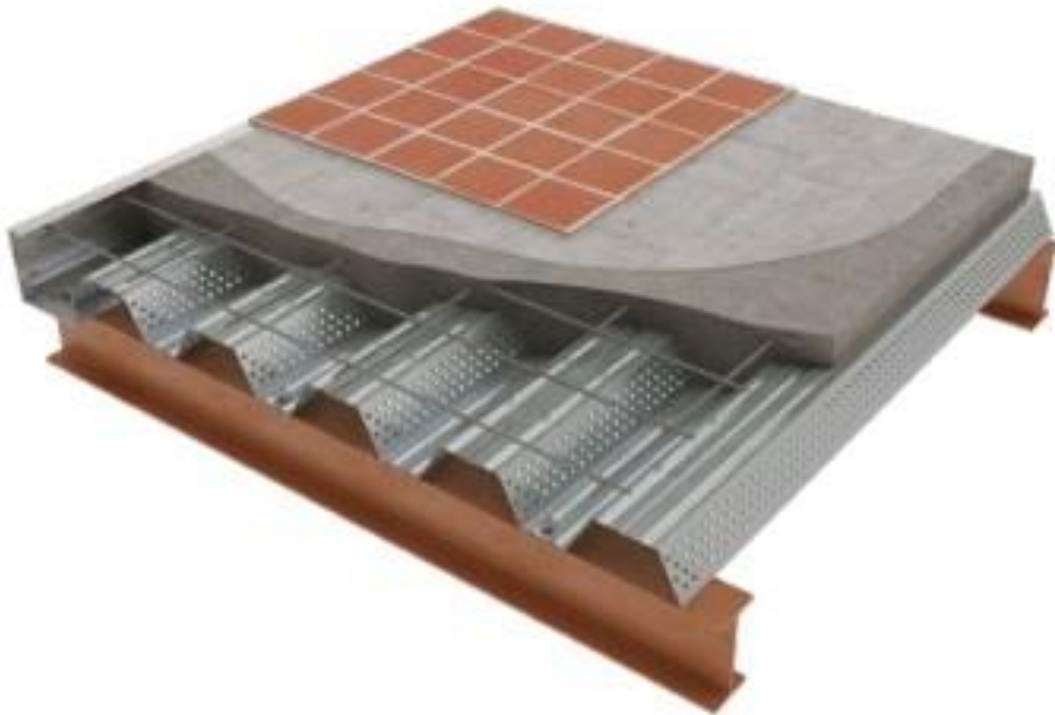
# ArcelorMittal Construction: Building components

High quality product portfolio with the largest product offering in the market



## Composite floors

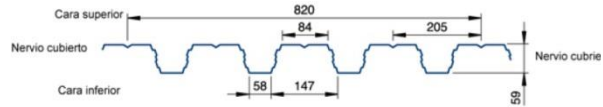
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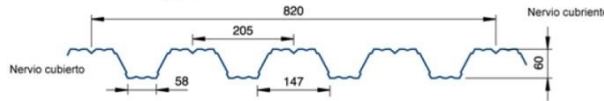
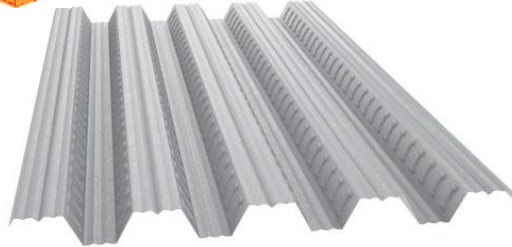
## Composite floor

Haircol® 59 (4.205.59)



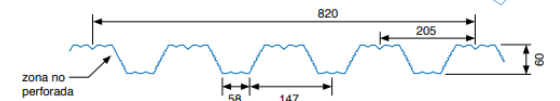
Length (mm) min./max.:1.800/16.990

Eurocol® 60 (4.205.60)



Length (mm) min./max.:1.800/16.990

Korona® 60 (4.205.60)



Length (mm) min./max.:1.800/16.990



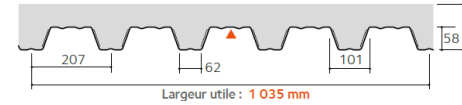
## Composite floor

### Cofraplus® range\*

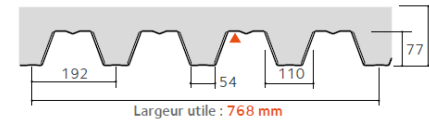


#### Complete Cofraplus® range

##### Cofraplus® 60

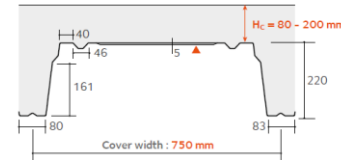


##### Cofraplus® 77\*



##### Cofraplus® 220

Long span floor decking



Characteristics	Nominal thickness of the profile sheet [mm]			
	0,75	0,88	1,00	1,25
Weight [kg/m <sup>2</sup> ]	8,53	10,00	11,37	14,22
Cross section $A_p$ [mm <sup>2</sup> /m]	1 029	1 217	1 391	1 797
Effective inertia $I_{eff}$ [mm <sup>4</sup> /m]	443 700	526 400	600 800	751 000
Height of neutral axis [mm]	33,70	33,70	33,70	33,70
Modulus of inertia [mm <sup>4</sup> /m]	13 160	15 620	17 830	22 280



Characteristics	Nominal thickness of the profile sheet [mm]			
	0,75	0,88	1,00	1,25
Weight [kg/m <sup>2</sup> ]	9,20	10,80	12,30	15,30
Cross section $A_p$ [mm <sup>2</sup> /m]	1 146	1 356	1 550	1 950
Effective inertia $I_{eff}$ [mm <sup>4</sup> /m]	78 300	94 700	109 800	138 000
Height of neutral axis [mm]	42,70	42,70	42,70	42,70
Modulus of inertia [mm <sup>4</sup> /m]	18 340	22 180	25 710	32 100



Characteristics	Nominal thickness of the profile sheet [mm]			
	1,13	1,25	1,37	1,50
Weight [kg/m <sup>2</sup> ]	15,14	16,75	18,36	20,97
Cross section $A_p$ [mm <sup>2</sup> /m]	1 817	2 017	2 217	2 417
Effective inertia $I_{eff}$ [mm <sup>4</sup> /m]	92 600	106 300	120 000	133 700
Height of neutral axis [mm]	159,90	159,90	159,90	159,90
Modulus of inertia [mm <sup>4</sup> /m]	57 910	66 480	75 050	83 620



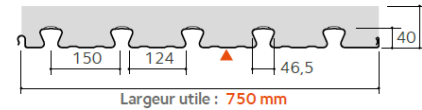
▲ Coated face

### Cofrastra® range\*

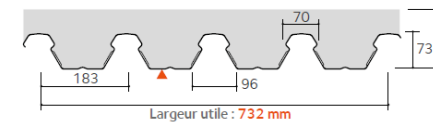


#### Complete Cofrastra® range

##### Cofrastra® 40



##### Cofrastra® 70\*



Characteristics	Nominal thickness of the profile sheet [mm]			
	0,75	0,88	1,00	1,25
Weight [kg/m <sup>2</sup> ]	9,80	11,50	13,10	15,80
Cross section $A_p$ [mm <sup>2</sup> /m]	1 183	1 400	1 600	1 817
Effective inertia $I_{eff}$ [mm <sup>4</sup> /m]	175 800	222 300	254 100	285 900
Height of neutral axis [mm]	10,60	10,60	10,60	10,60
Modulus of inertia [mm <sup>4</sup> /m]	16 570	20 950	23 950	27 950



Characteristics	Nominal thickness of the profile sheet [mm]			
	0,75	0,88	1,00	1,25
Weight [kg/m <sup>2</sup> ]	10,05	11,80	13,40	16,00
Cross section $A_p$ [mm <sup>2</sup> /m]	1 219	1 442	1 648	1 868
Effective inertia $I_{eff}$ [mm <sup>4</sup> /m]	657 600	774 900	883 200	1 000 500
Height of neutral axis [mm]	29,80	29,80	29,80	29,80
Modulus of inertia [mm <sup>4</sup> /m]	22 050	25 990	29 930	33 870



▲ Coated face

The Cofra® 5 web based software application will give detailed information about the required reinforcement according to the project specifications.



www.arcelormittal.com/cofra5

## Composite floor

Lost Shuttering

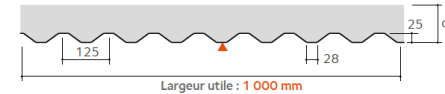
### Cofrasol® Range\*



Cofrasol® are floor decking serves only as formwork during the concrete pouring and hardening. The resistance of the profile is therefore limited to this construction phase. It is not considered for the calculation of the resistance of the final slab.

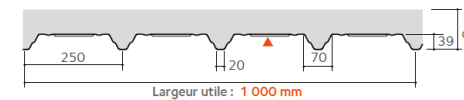
### Cofrasol® complete range

Cofrasol® 25



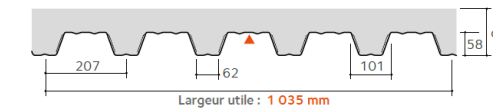
▲ Face prélaquée

Cofrasol® 40\*



▲ Face prélaquée

Cofrasol® 60



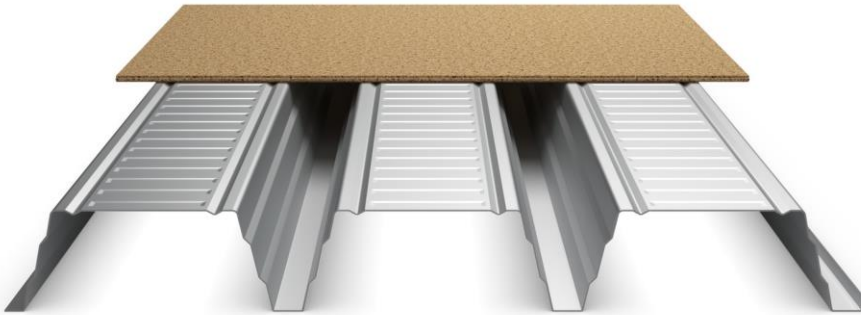
▲ Face prélaquée



## Composite floor

### Dry floor system

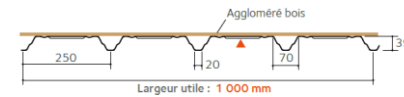
#### Supportsoll® Range\*



Supportsoll® are trapezoidal profiles covered with a wooden panel screwed onto the upper flange of the profile. The additional wood plate gives the necessary stiffness and rigidity to the complex forming an uninsulated **dry floor system**.

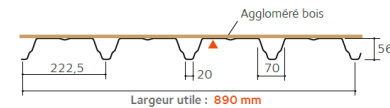
#### Supportsoll® complete range

##### Supportsoll® 40



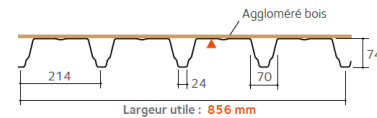
▲ Face prélaquée

##### Supportsoll® 56



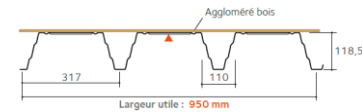
▲ Face prélaquée

##### Supportsoll® 74



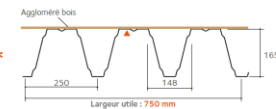
▲ Face prélaquée

##### Supportsoll® 118



▲ Face prélaquée

##### Supportsoll® 170\*



▲ Face prélaquée

## Composite floor

### Integrated composite floor systems

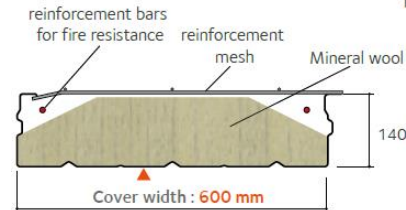
#### Cofradal® Range\*



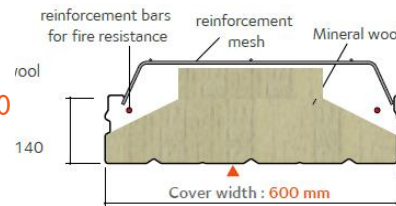
Cofradal® is a integrated, composite floor system intended for all types of construction. Its lightness and its performance enable it to bridge large spans while providing a very low selfweight, high fire resistance and a narrow construction height.

Cofradal® in its Decibel version has a perforated soffit in coated steel providing acoustic functionalities.

Cofradal® 200\*



Cofradal® 260



Cofradal®	200	260
Thickness of the complex [mm]	200	260
Weight of the finished floor [kg/m²] Excluding support zones and BN	240	280

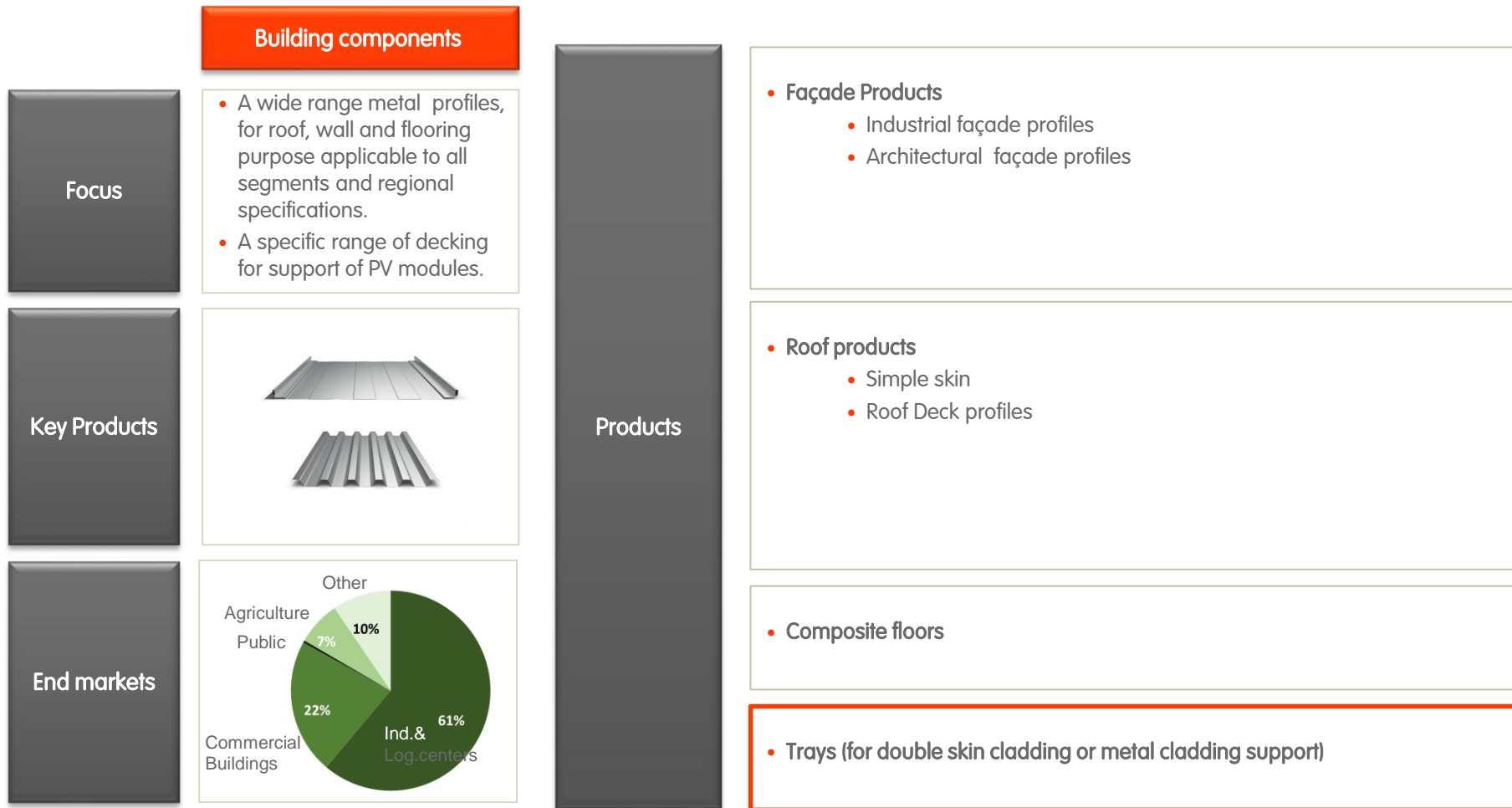


▲ Coated face



# ArcelorMittal Construction: Building components

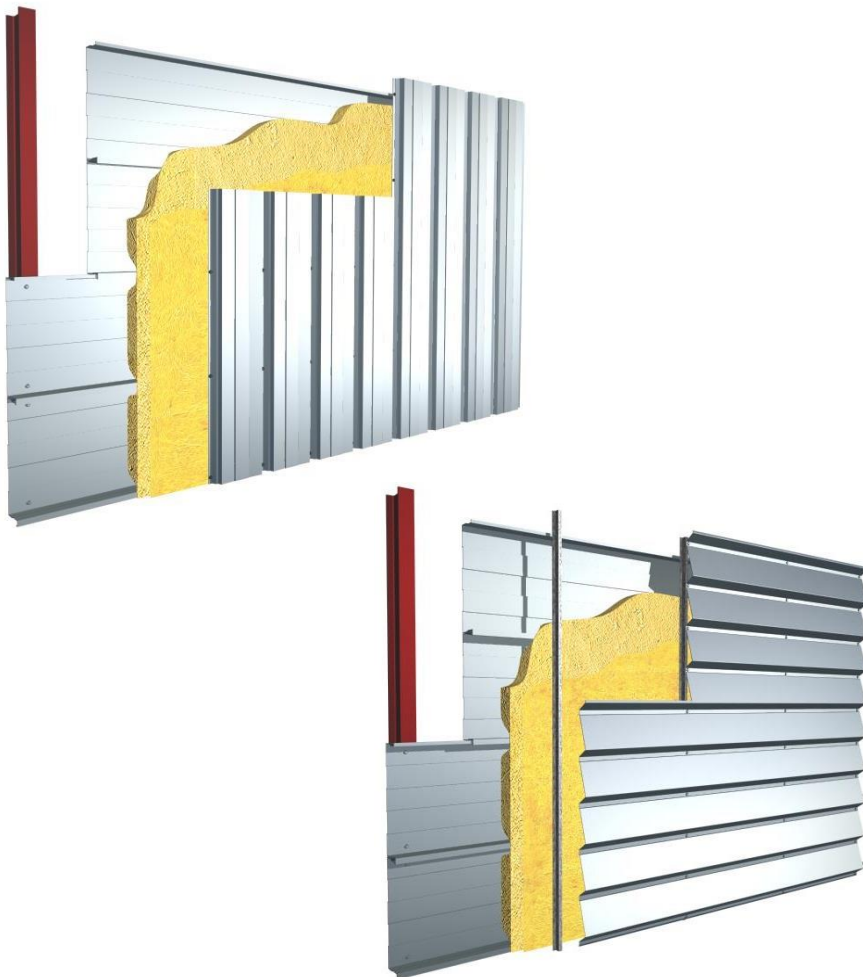
High quality product portfolio with the largest product offering in the market



ArcelorMittal Construction: Building components

Trays (for double skin cladding or metal cladding support)

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## Trays (for double skin cladding or metal cladding support)

### Eurobac® range\*

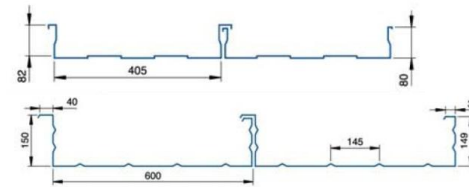


#### Eurobac® 80 (1.405.80)

Length (mm) min./max.:2.500/14.000

#### Eurobac® 150\* (1.600.150)

Length (mm) min./max.:2.500/16.990



Perforated tray available

Perforated tray available

### Hacierba® range



#### Hacierba® 1.450.70 BH

#### Hacierba® 1.400.90 BS

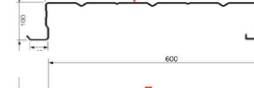
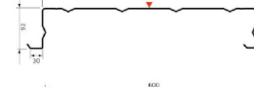
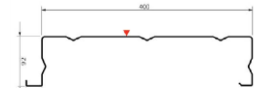
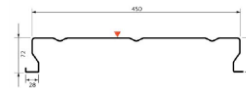
#### Hacierba® 1.400.90SR

#### Hacierba® 1.500.90 BS

#### Hacierba® 1.500.90 SR\*

#### Hacierba® 1.600.100VK

#### Hacierba® 1.600.150 VK



Epaisseur (mm)	0,75	0,88	1,00	1,25
Masse (kg/m²)	8,20	9,60	10,90	13,70

Perforated tray available

Epaisseur (mm)	0,75	0,88	1,00	1,25
Masse (kg/m²)	9,20	10,80	12,30	15,30

Perforated tray available

Epaisseur (mm)	0,75	0,88	1,00	1,25
Masse (kg/m²)	9,57	11,23	12,76	15,95

Perforated tray available

Epaisseur (mm)	0,75	0,88	1,00	1,25
Masse (kg/m²)	8,50	10,00	11,30	14,20

Perforated tray available

Epaisseur (mm)	0,75	0,88	1,00	1,25
Masse (kg/m²)	8,83	10,36	11,78	14,72

Perforated tray available

Epaisseur (mm)	0,75	0,88	1,00	1,25
Masse (kg/m²)	8,83	10,36	11,78	14,72

Perforated tray available

Epaisseur (mm)	0,75	0,88	1,00
Masse (kg/m²)	9,81	11,51	13,08

Perforated tray available



Length (mm) min./max.:1.800/16.000

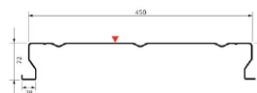
## Trays (for double skin cladding or metal cladding support)

### Supportwall® range

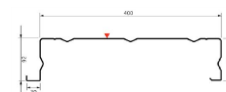


\*

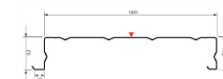
Supportwall® 450.70 \*



Supportwall® 400.90



Supportwall® 500.90



Length (mm) min./max.:1.800/16.000



Epaisseur (mm)	0,75	0,88	1,00	1,25
Masse (kg/m²)	8,50	9,98	11,34	14,17

Perforated tray available

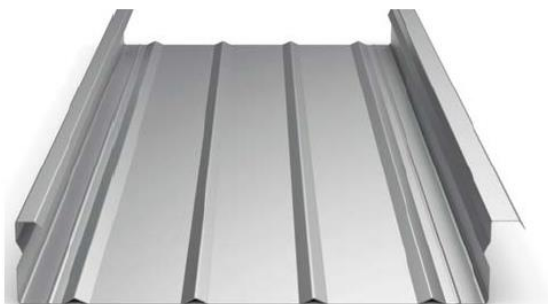
Epaisseur (mm)	0,75	0,88	1,00	1,25
Masse (kg/m²)	9,57	11,23	12,76	15,95

Perforated tray available

Epaisseur (mm)	0,75	0,88	1,00	1,25
Masse (kg/m²)	8,83	10,36	11,78	14,72

Perforated tray available

### Hacierco® range



\*

Hacierco® C 400.90 C/P



Epaisseur (mm)							
Hacierco® C400.90C				Hacierco® C400.90P			
0,75	0,88	1,00		0,75	0,88	1,00	1,25
9,57	11,23	12,76		8,77	10,29	11,70	14,62

Perforated tray available

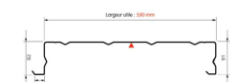
Hacierco® C 450.70 C/P



Epaisseur (mm)							
Hacierco® C450.70C				Hacierco® C450.70P			
0,75	0,88	1,00		0,75	0,88	1,00	1,25
8,50	9,98	11,34		7,70	9,03	10,27	12,83

Perforated tray available

Hacierco® C 500.90 C/P\*



Epaisseur (mm)							
Hacierco® C500.70C				Hacierco® C500.90P			
0,75	0,88	1,00		0,75	0,88	1,00	1,25
8,83	10,36	11,78		8,02	9,41	10,69	13,36

Perforated tray available

Length (mm) min./max.:1.800/16.000



## Roof trays for double skin roof systems. Globalroof System.

# ArcelorMittal Construction: PRODUCT PORTFOLIO

High quality product portfolio with the largest product offering in the market

## Materials and steel Coating<sup>(1)</sup>

### Focus

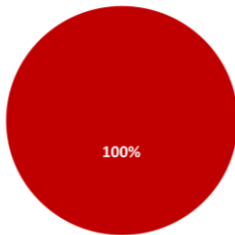
- Pre-painted coils with a wide range of colors and organic coatings responding to all environmental conditions.
- Our coatings are developed to address the architectural needs of our customers.

### Key Products



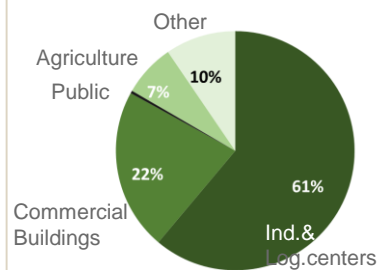
### End markets

Coils sold to AMC



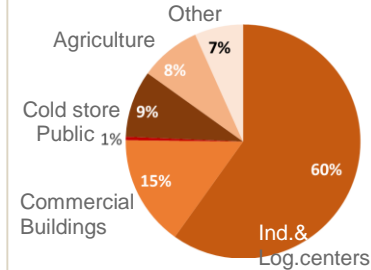
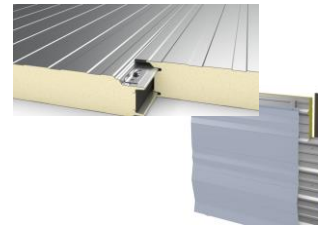
## Building components

- A wide range metal profiles, for roof, wall and flooring purpose applicable to all segments and regional specifications.
- A specific range of decking for support of PV modules.



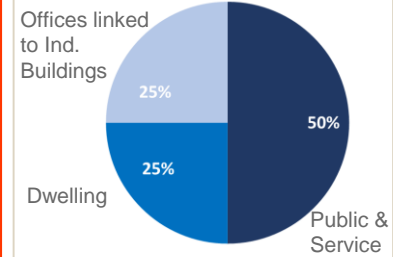
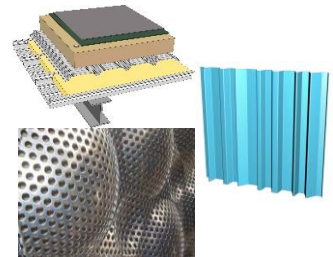
## Insulated panels systems

- Insulated panels systems with PIR/PUR or MW, single or in system, applicable in all segments, provide the perfect solution to all regulatory performances and aesthetics.



## Architectural Façade Systems

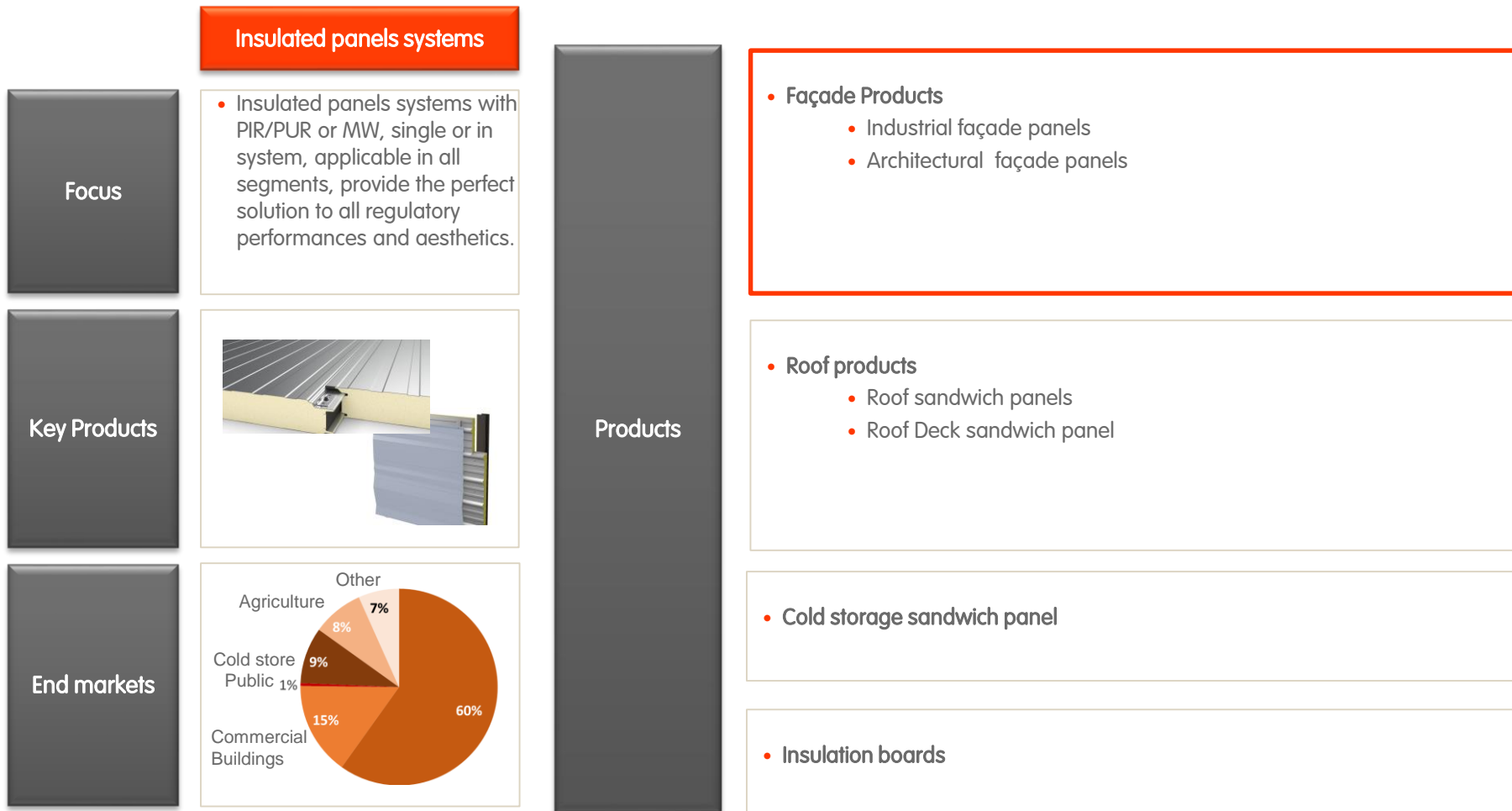
- A creative offer of multiple shapes, coatings and metallic surfaces, very often tailor made to the architectural concept of our customers.





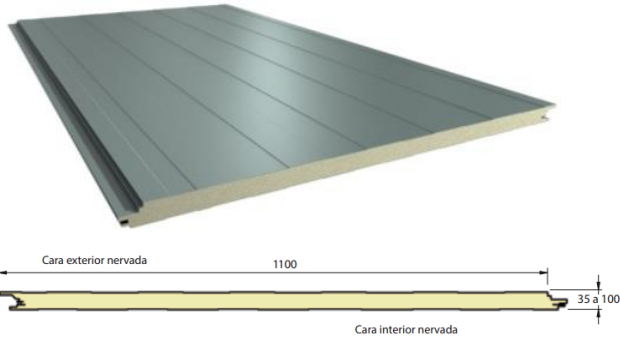
# ArcelorMittal Construction: Insulated panels systems

High quality product portfolio with the largest product offering in the market





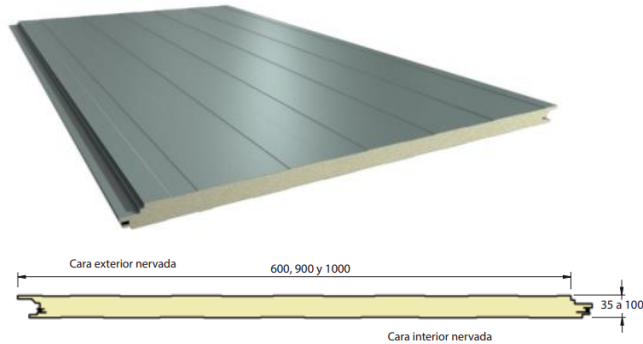
Olimpia® (PUR / PIR)



Width (mm): 1100  
Length (mm) min./max.: 3.000/14.400



Rodas® (PUR / PIR)

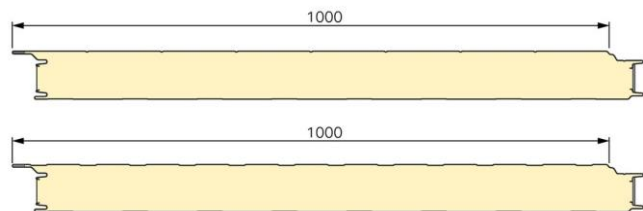
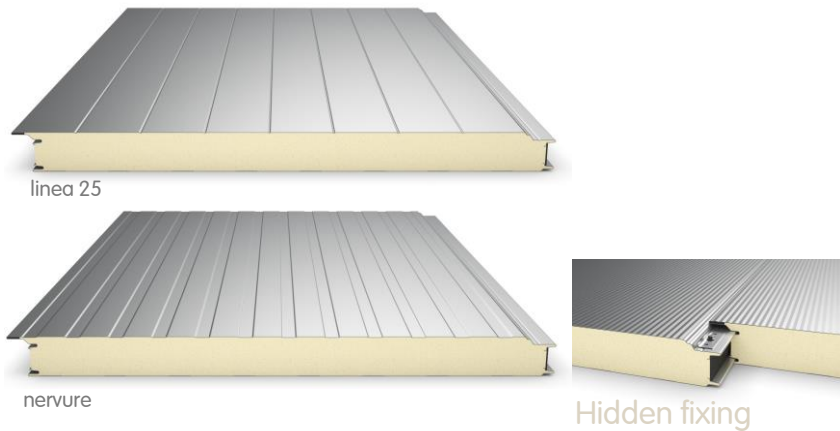


Width (mm): 600, 900, 1000  
Length (mm) min./max.: 3.000/14.400



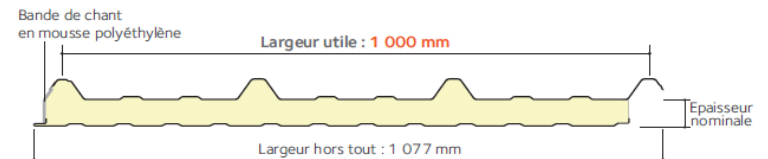
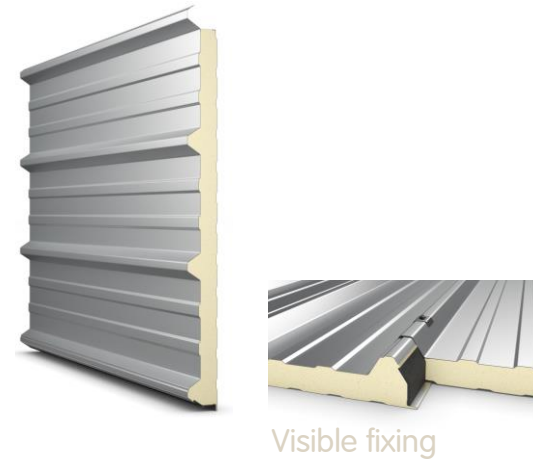
Hidden fixings insulated composite panel

Promisol® S (PIR)



- Width: 900 and 1000 mm

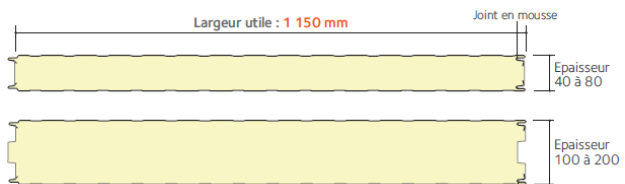
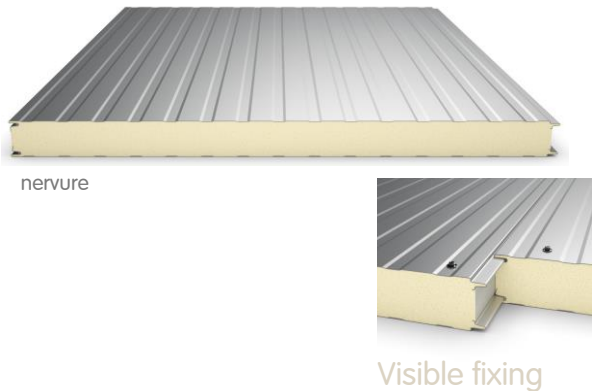
Promisol® T (PIR)



- Width: 1000 mm



Promisol® V (PIR)



- Width: 1000, 1100, 1150 mm

Promisol® S iQ+ (PIR)



- Thermal conductivity: 0.018W/m.K
- Reaction to fire: B-s1,d0
- Width: 900 and 1000 mm

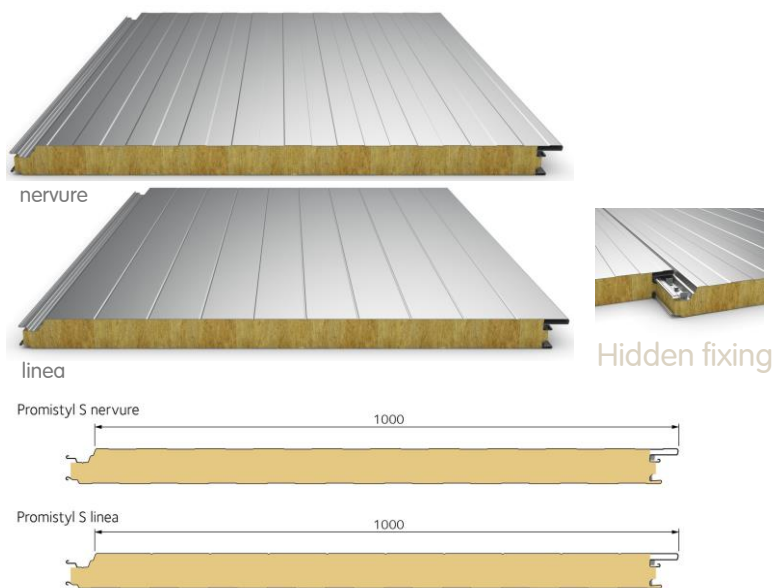
Promisol® V iQ+ (PIR)



- Thermal conductivity: 0.018W/m.K
- Reaction to fire: B-s1,d0
- Width: 1000, 1100 and 1150 mm



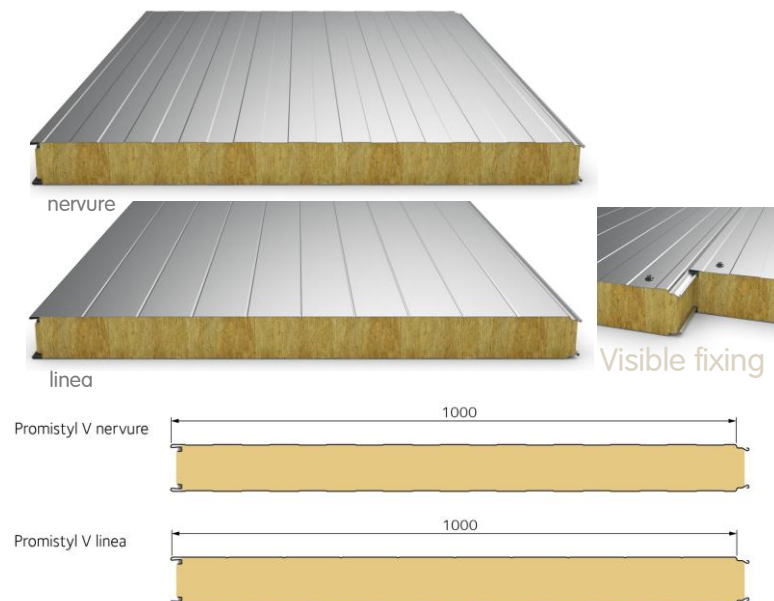
### Promistyl® S (Mineral Wool)



- Width: 900 and 1000 mm



### Promistyl® V (Mineral Wool)

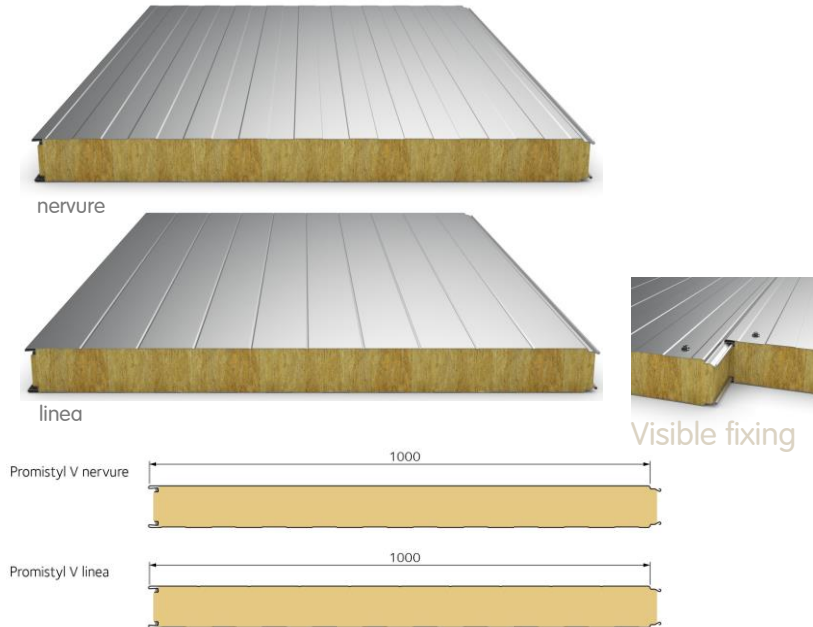


- Width: 900, 1000 AND 1100 mm





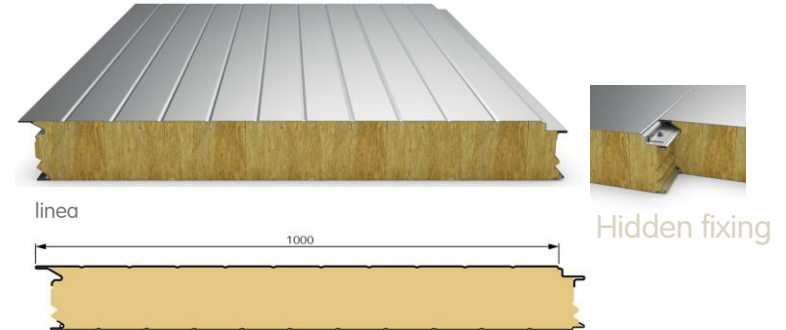
### Promistyl® VA (Mineral Wool)



- Width: 900, 1000 and 1200 mm



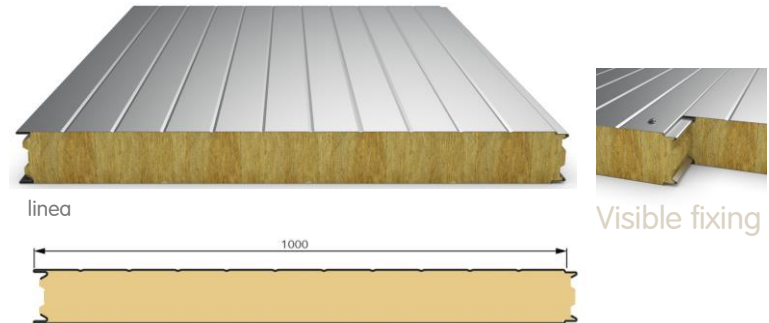
### Pflaum® FI (Agions®) (Mineral Wool)



- Width 600, 915, 1000 and 1100 mm

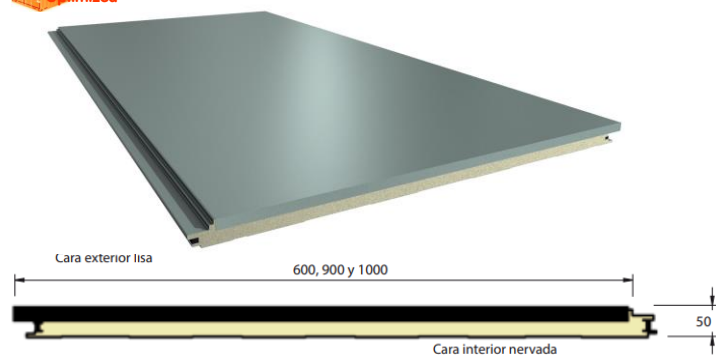


### Pflaum® FO (Taranos) (Mineral Wool)



- Width 600, 915, 1000, 1100 and 1200 mm

Etna® Advance (PUR / PIR)



Width (mm): 600, 900, 1000

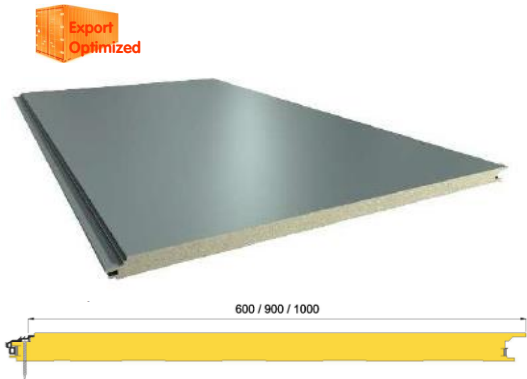
Length (mm) min./max.: 1.000/6.000



Façade products | Architectural façade panels

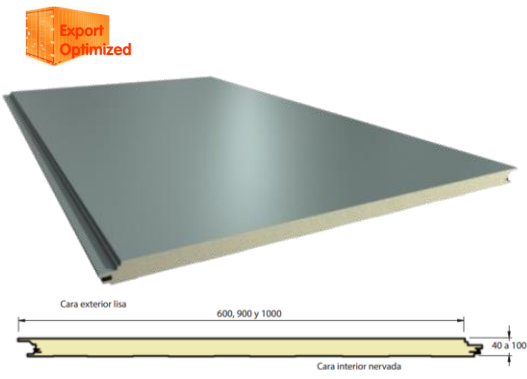
Hidden fixing

Etna® SemiAdvance (PUR / PIR)



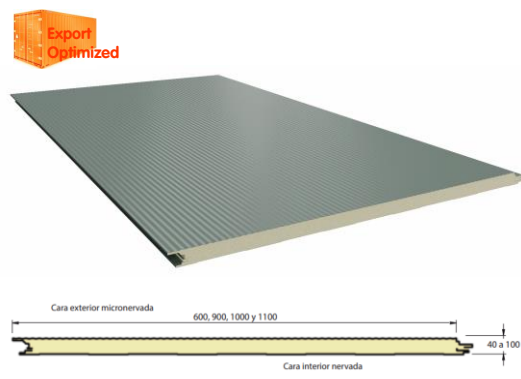
Width (mm): 600, 900, 1000  
Length (mm) min./max.: 1.000/6.000

Etna® (PUR / PIR)



Width (mm): 600, 900, 1000  
Length (mm) min./max.: 3.000/14.400

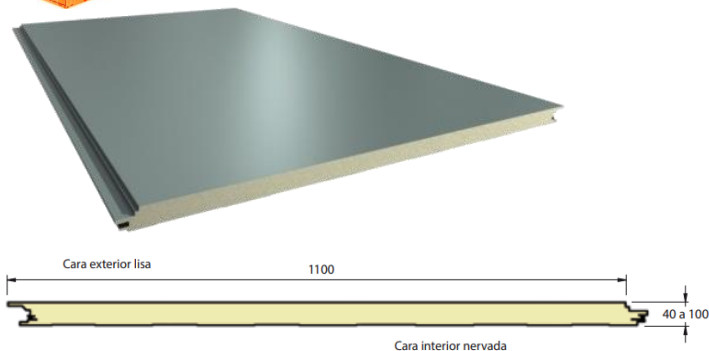
Nilho® (PUR / PIR)



Width (mm): 600, 900, 1000  
Length (mm) min./max.: 3.000/14.400

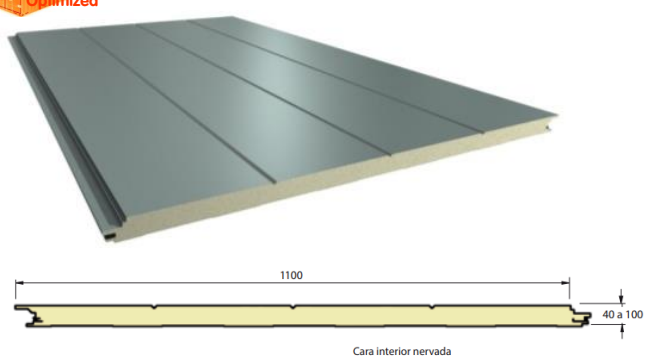


Galatea® (PUR / PIR)



Width (mm): 600, 900, 1000  
Length (mm) min./max.: 3.000/14.400

Atica® (PUR / PIR)

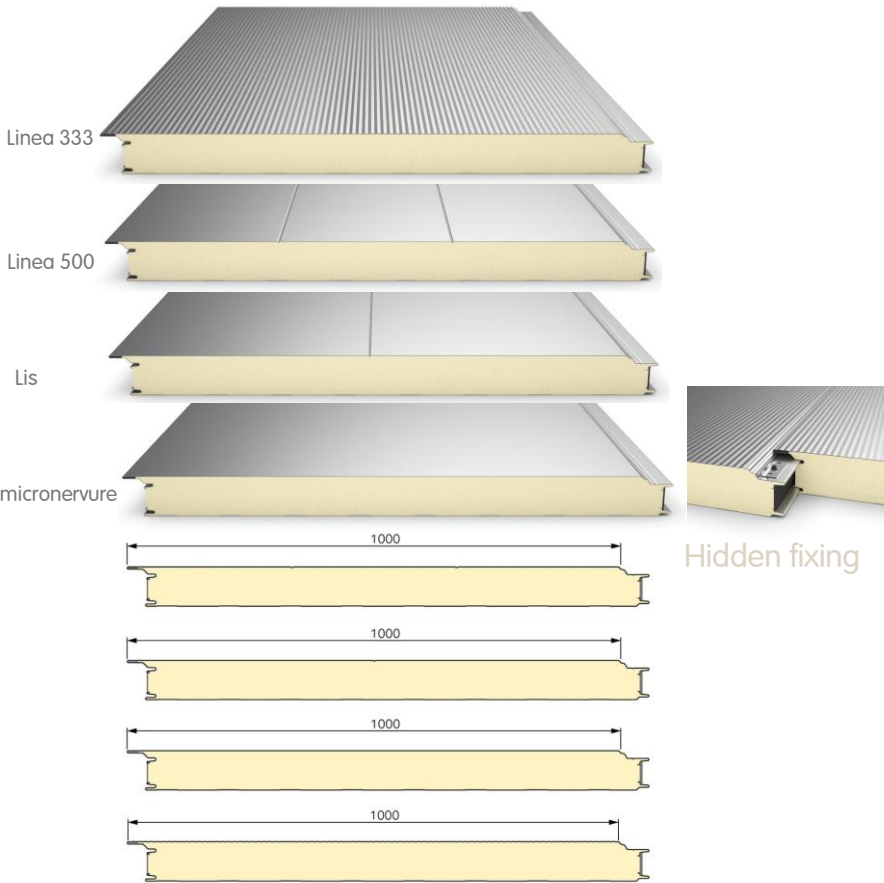


Width (mm): 1.100  
Length (mm) min./max.: 3.000/14.400



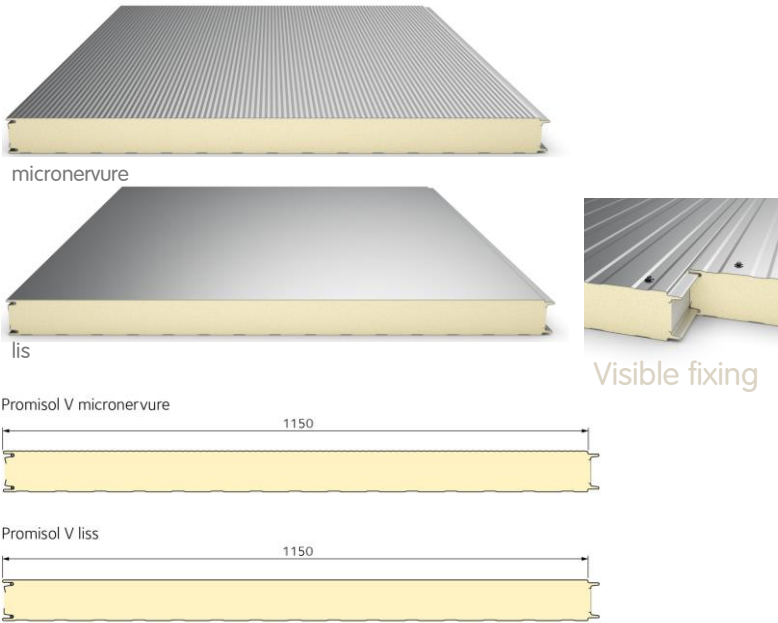


Promisol® S (PIR)



Width (mm): 900, 1000

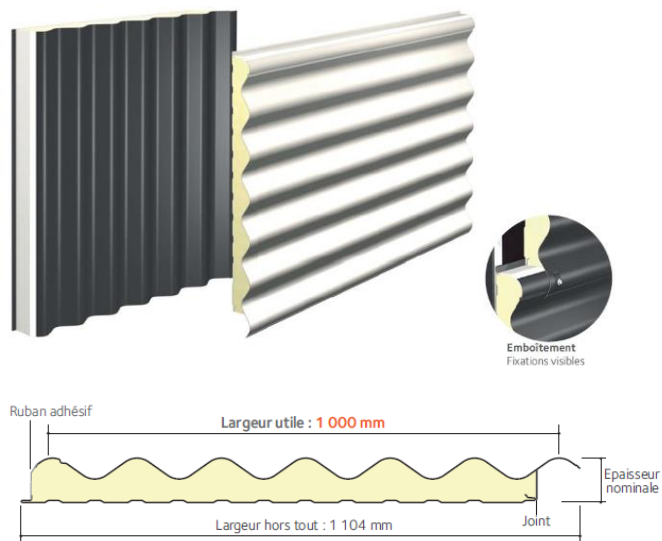
Promisol® V (PIR)



Width (mm): 1000, 1100, 1150



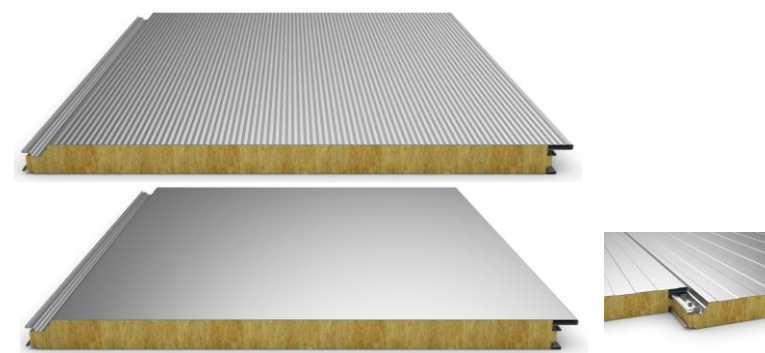
Promisol® F (PIR)



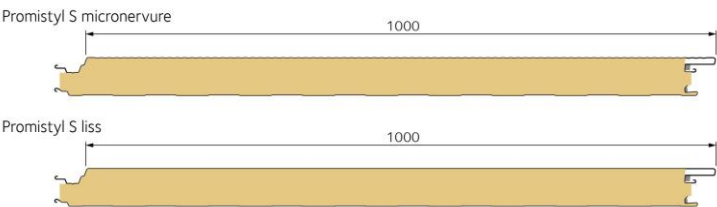
Visible fixing



Promistyl® S (Mineral Wool)

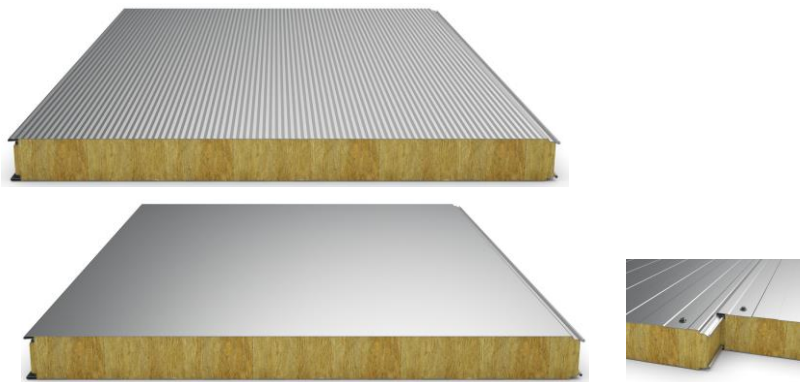


Hidden fixing

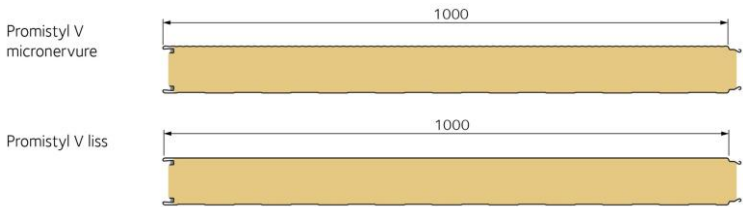


Width (mm): 900 and 1000

Promistyl® V (Mineral Wool)



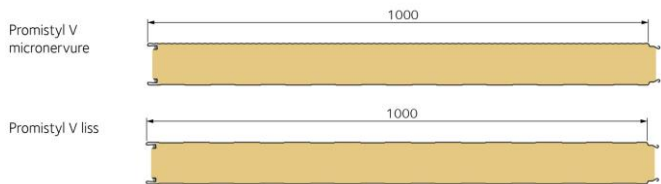
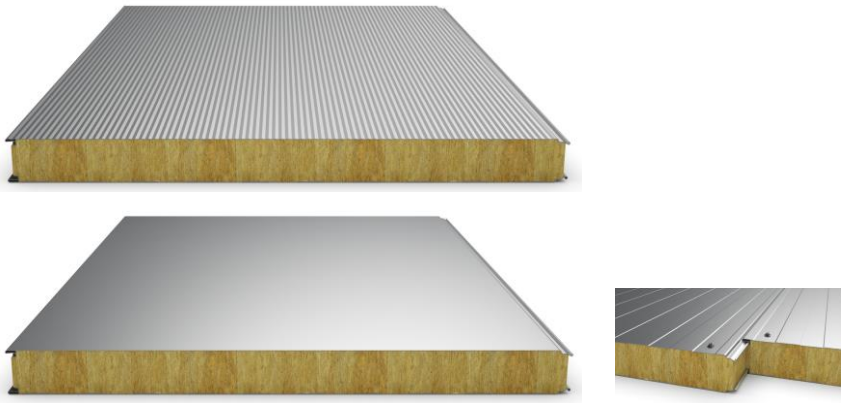
Visible fixing



Width (mm): 900, 1000, 1100



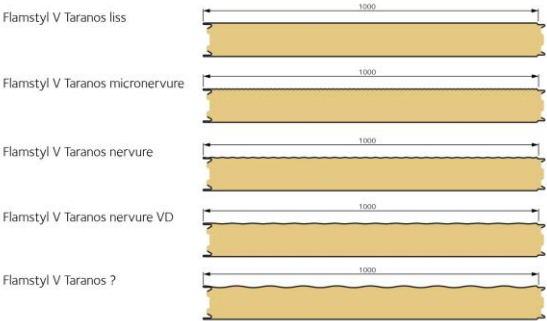
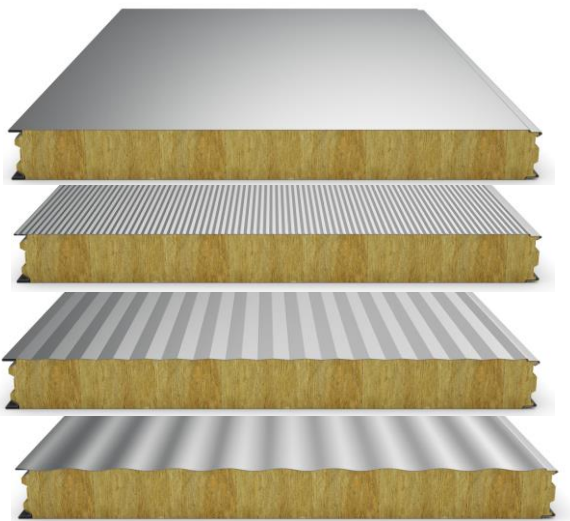
Promistyl® VA (Mineral Wool)



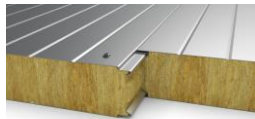
Width (mm): 900, 1000, 1200



Pflaum® FO (Mineral Wool)



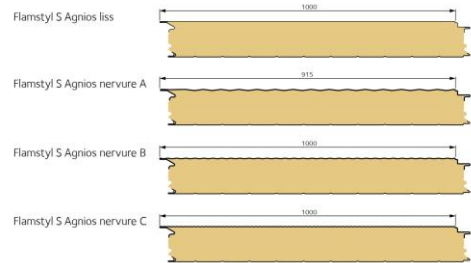
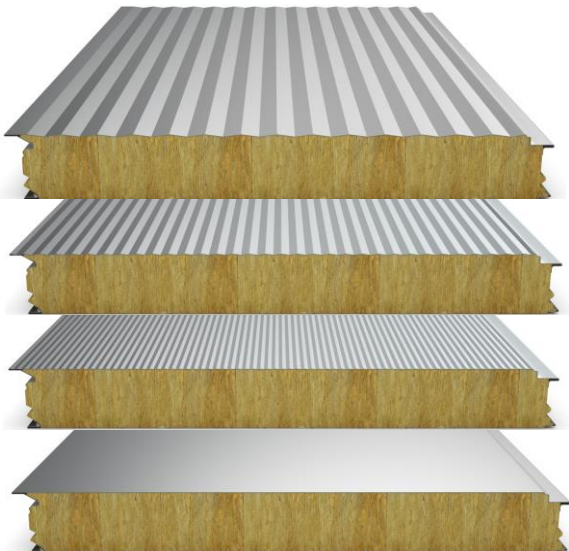
Width (mm): 600, 915, 1000, 1100, 1200



Visible fixing



Pflaum® FI (Agions®) (Mineral Wool)

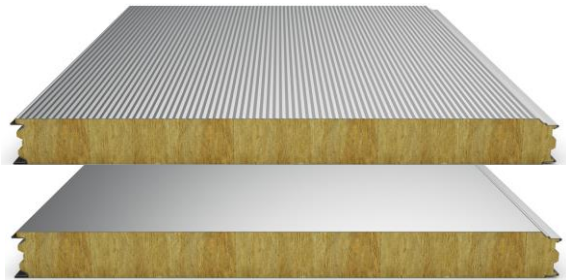


Width (mm): 600, 915, 1000, 1100

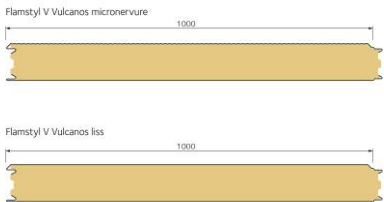


Hidden fixing

Pflaum® FOM (Vulcanos®) (Mineral Wool)



Visible fixing



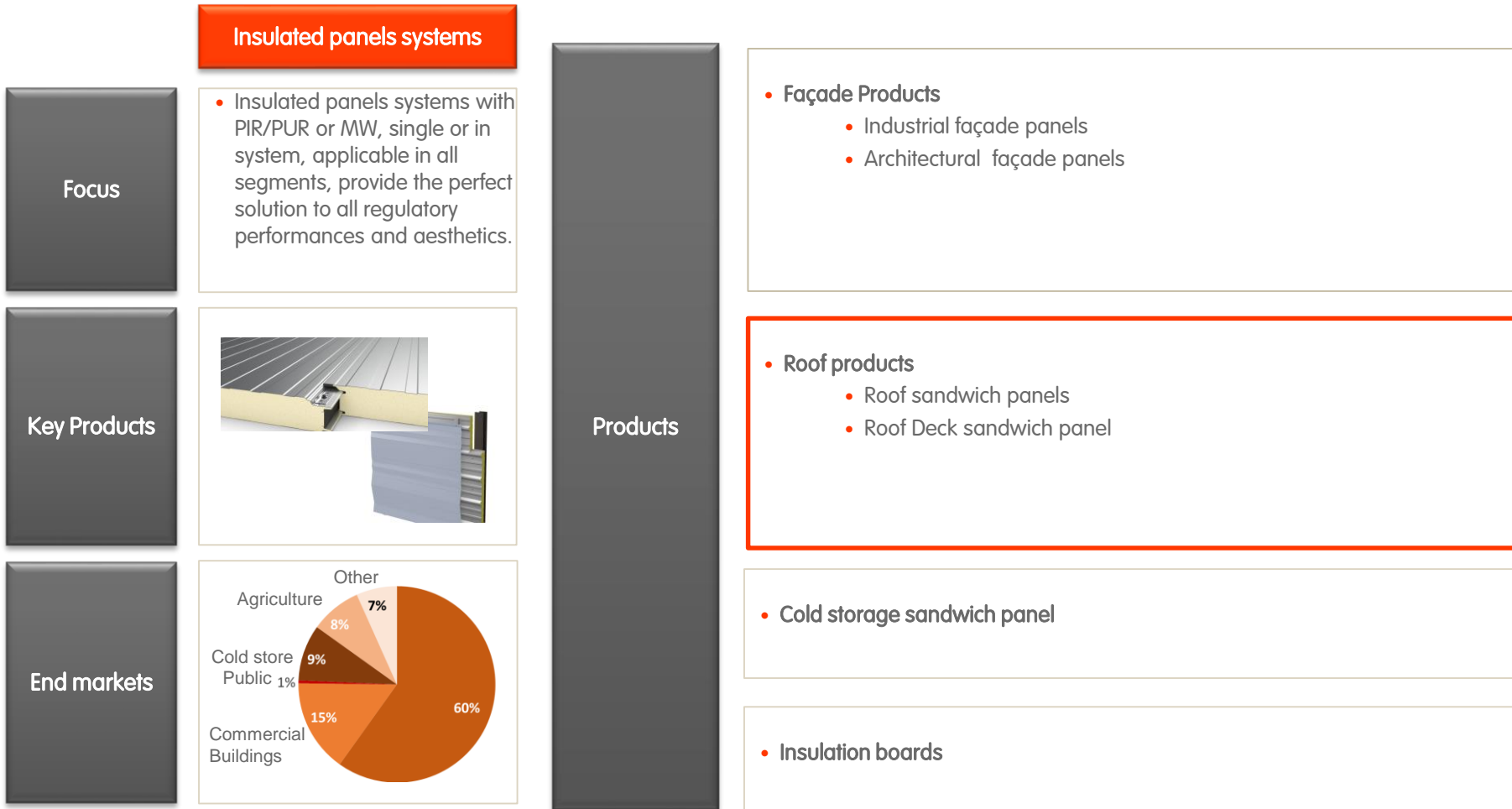
Width (mm): 600, 915, 1000, 1100, 1200





# ArcelorMittal Construction: Insulated panels systems

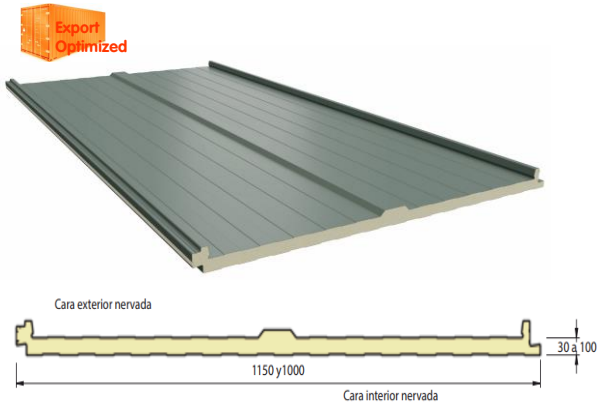
High quality product portfolio with the largest product offering in the market



# ArcelorMittal Construction: Insulated panels systems

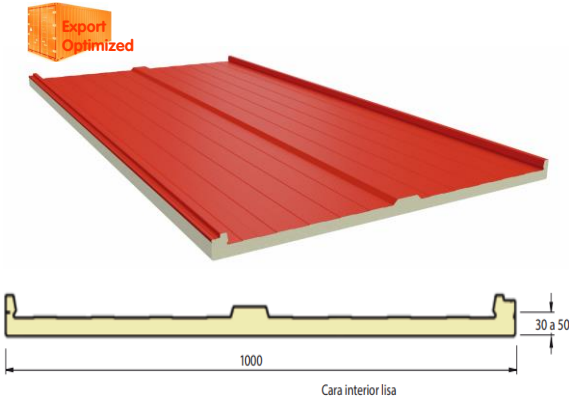
## Roof products | Roof sandwich panels

Delfos® 1150/1000 (PUR/PIR)



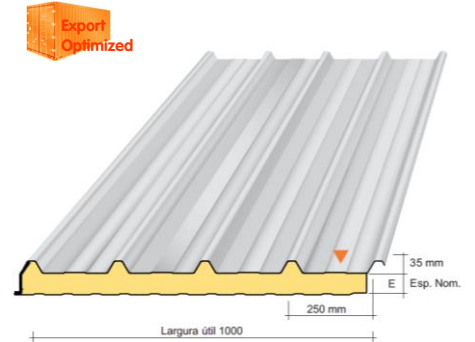
Width (mm): 1.000, 1.150  
Length (mm) min./max.: 3.000/18.000

Nereo® 1000 (PUR)  
(Farming market)



(\*) Datos en mm  
Width (mm): 1.000  
Length (mm) min./max.: 3.000/12.000

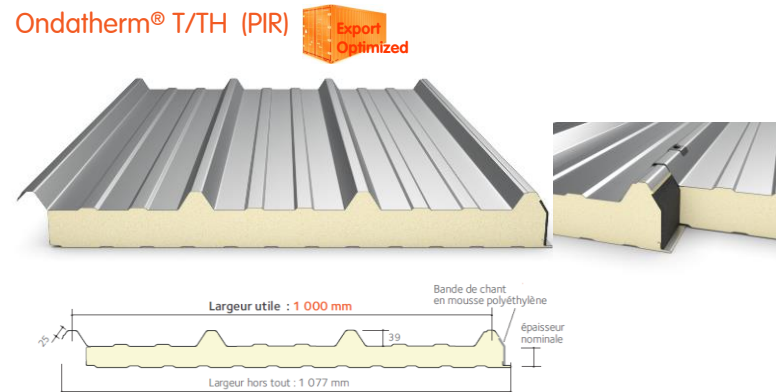
HAIRISOL® 1100C (PUR / PIR)



Width (mm): 1.000



Ondatherm® T/TH (PIR)

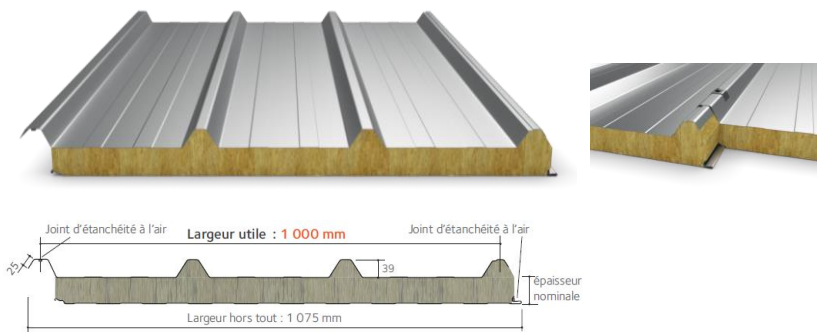


Width (mm): 1.000



Roof products | Roof sandwich panels

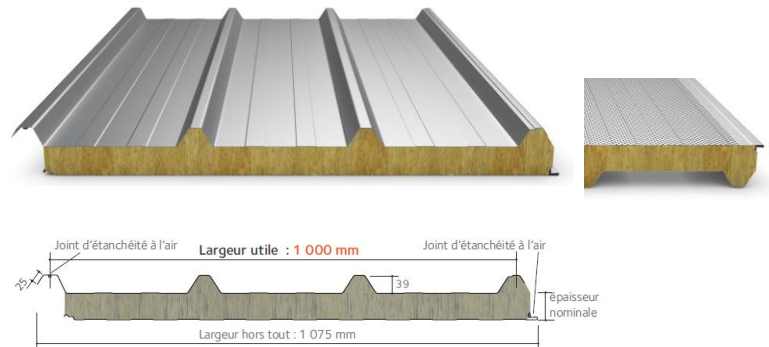
Ondastyl® T (Mineral Wool)



Width (mm): 1.000



Ondastyl® TA (Mineral Wool)



Width (mm): 1.000

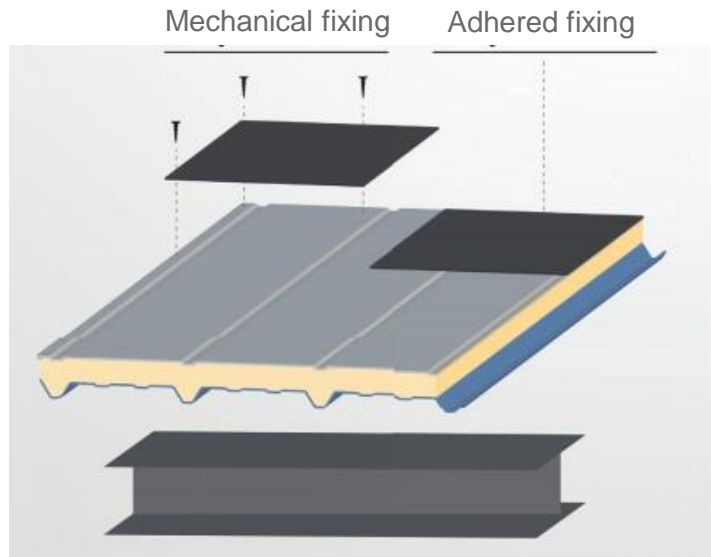




# ArcelorMittal Construction: Insulated panels systems

## Roof products | Roof Deck sandwich panel

Ondatherm® Deck (PRT Hexacore®, PIR)



Thickness : 30 / 40 / 50 / 60 / 80 / 100 / 120

Maximum length : 18.15m

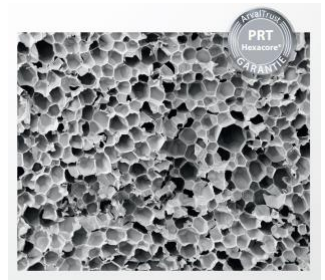
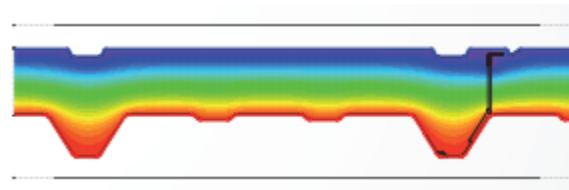
Reaction to fire : B-s1, d0

Uc (W / m²K) up to 0.21

Interior and exterior finish in pre-lacquered steel from Colorissime range

### Advantages:

- Better thermal insulation due to PRT-HEXACORE® foam
- Improves mechanical properties
- Reduction time of work on site
- Reduction up to 90% intermediate fixations
- Self-supporting up to 5.5m.



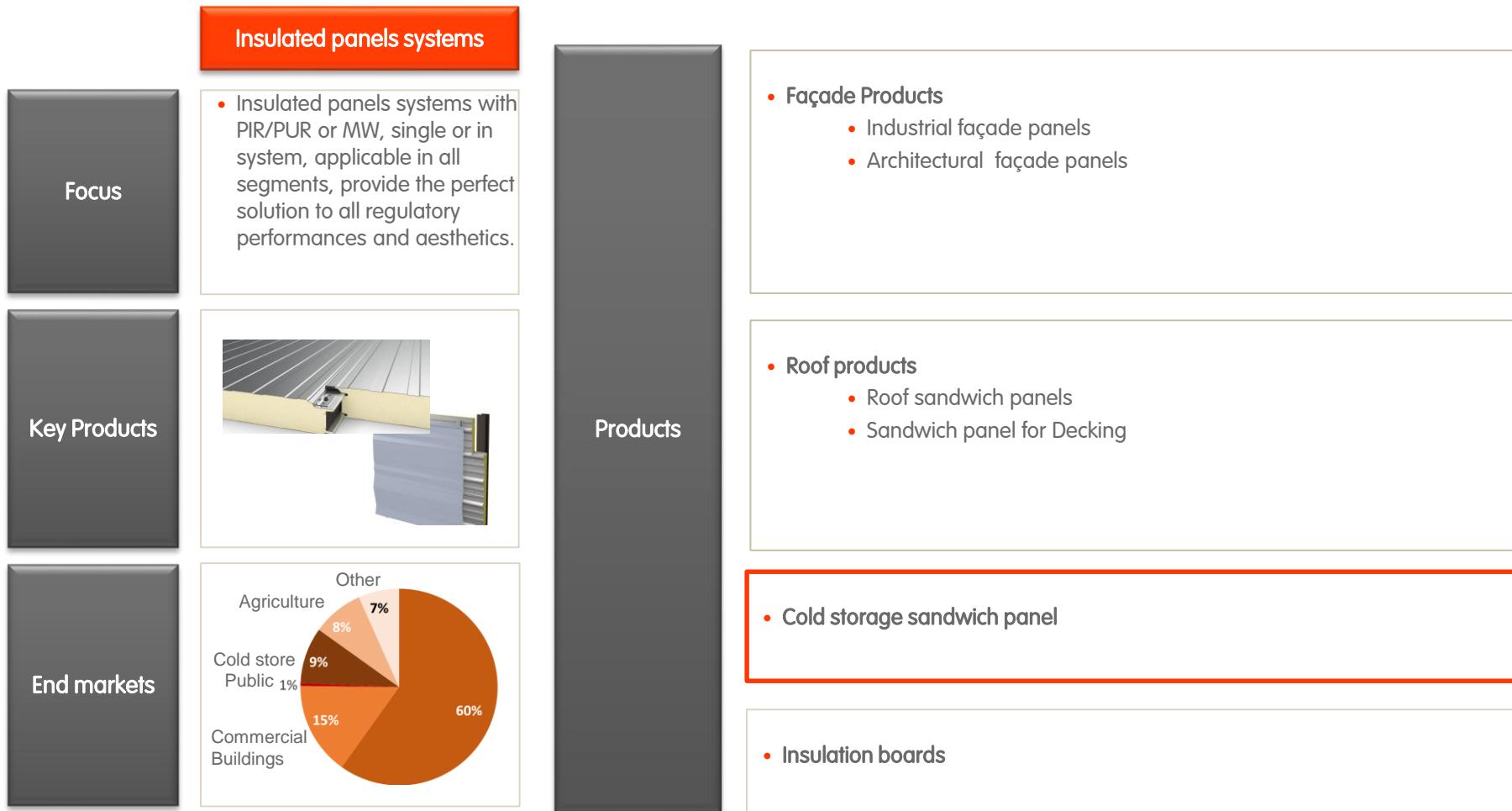
The product certification  
is ongoing





# ArcelorMittal Construction: Insulated panels systems

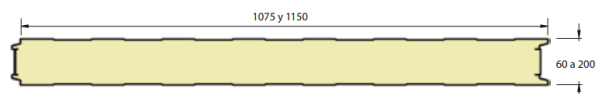
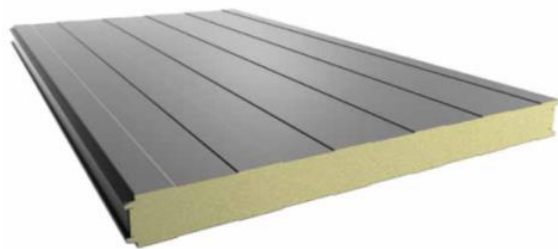
High quality product portfolio with the largest product offering in the market



## Cold storage sandwich panel

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Artic® (PUR / PIR)



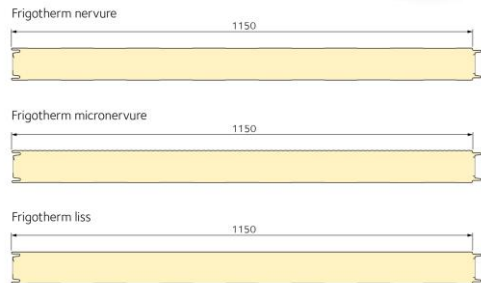
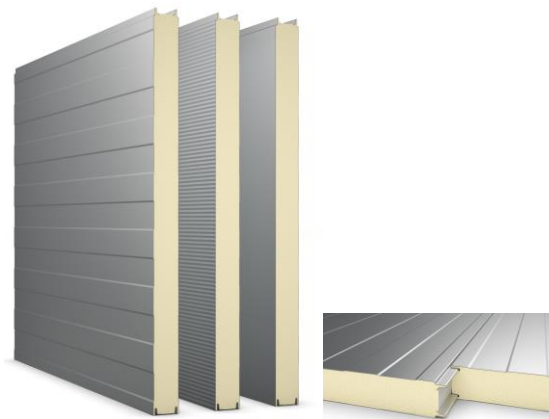
Width (mm): 1075, 1150



Cold storage sandwich panel

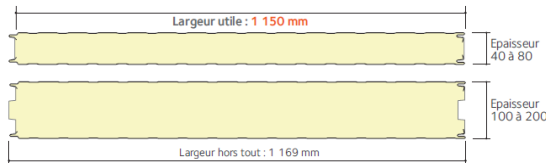
Visible fixing

Frigotherm® (PIR)



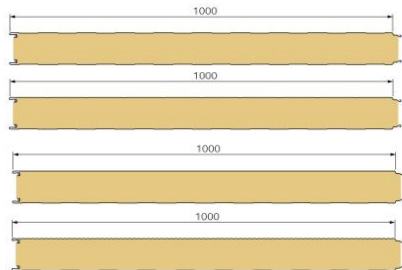
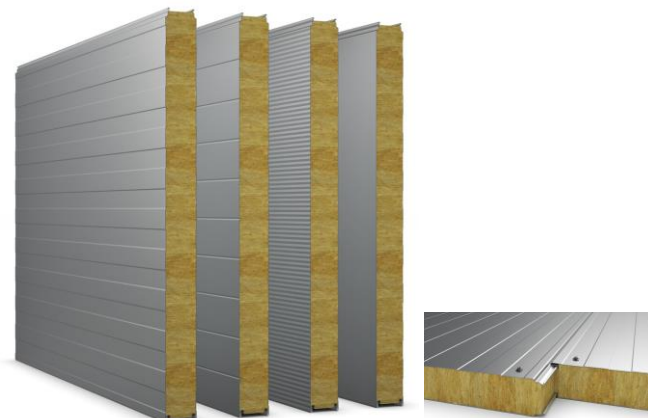
○ Width: 1000, 1100 and 1150 mm

Frigotherm® iQ+ (PIR)



○ Width: 1000, 1100 and 1150 mm

Frigostyl® (Mineral Wool)



○ Width: 1000 mm

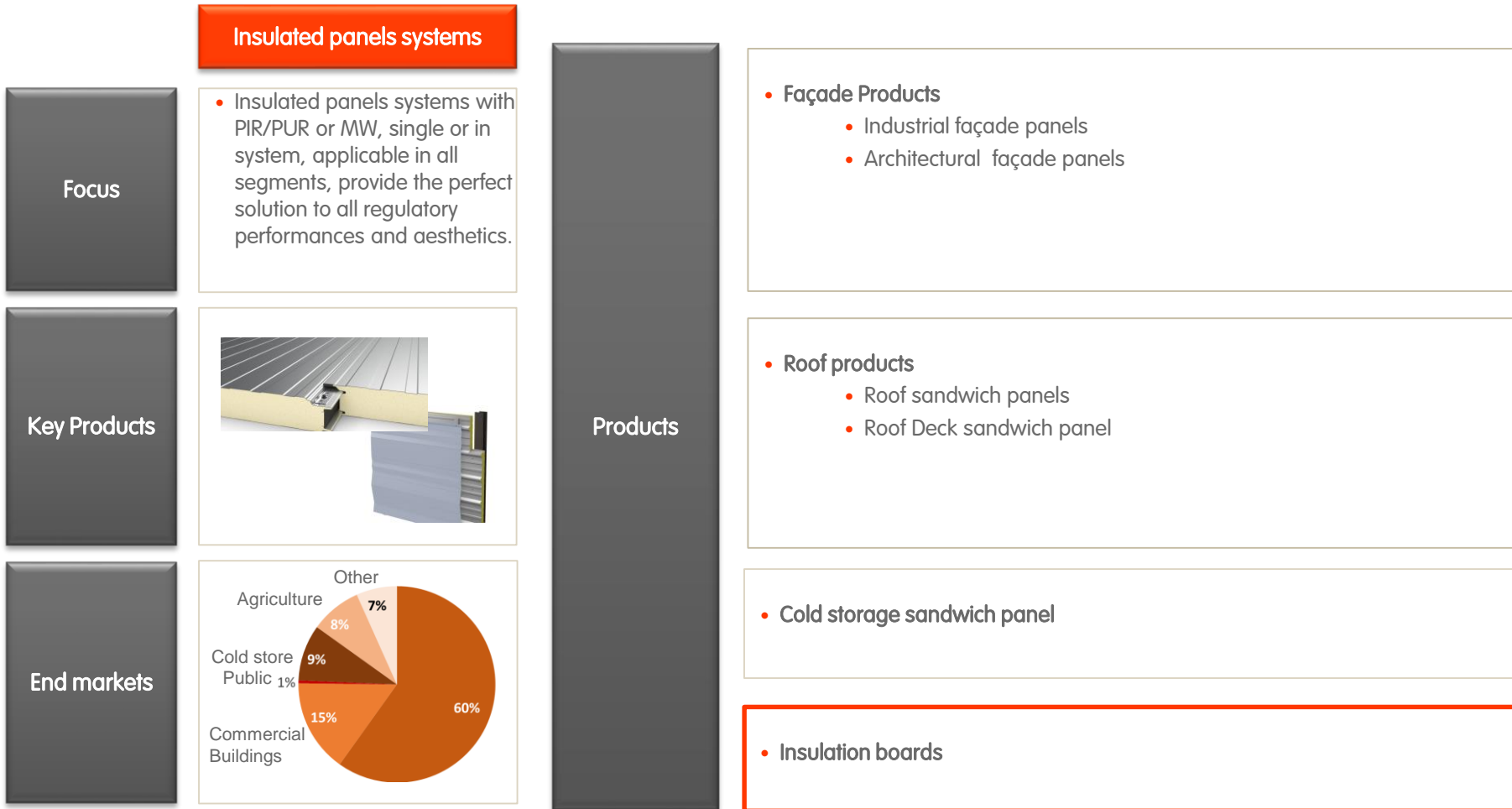






# ArcelorMittal Construction: Insulated panels systems

High quality product portfolio with the largest product offering in the market



## Insulation boards

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Euroaislante Bituminous (PIR)



Euroaislante Fiberglass (PIR)



Euroaislante Aluminium 1U (PIR)



Euroaislante Aluminium 2U (PIR)



### Advantages:

- Excellent fire behaviour. Fire classification: B-s1,d0
- Thermo-stable
- Minimal absorption of water
- High resistance
- Very good insulating capacity
- Easy and fast assembling



# ArcelorMittal Construction: PRODUCT PORTFOLIO

High quality product portfolio with the largest product offering in the market

## Materials and steel Coating<sup>(1)</sup>

### Focus

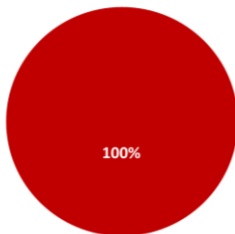
- Pre-painted coils with a wide range of colors and organic coatings responding to all environmental conditions.
- Our coatings are developed to address the architectural needs of our customers.

### Key Products



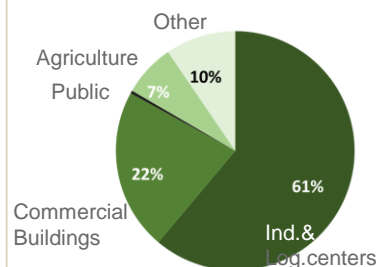
### End markets

Coils sold to AMC



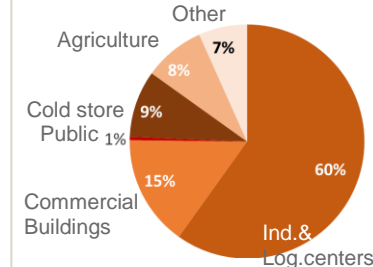
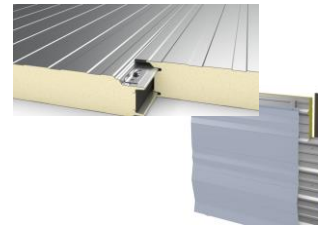
## Building components

- A wide range metal panels , for roof, wall and flooring purpose applicable to all segments and regional specifications.
- A specific range of decking for support of PV modules.



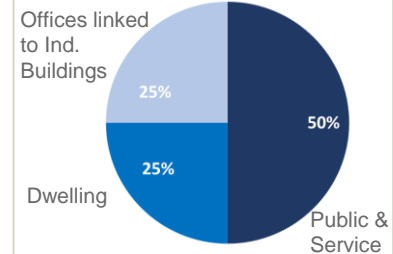
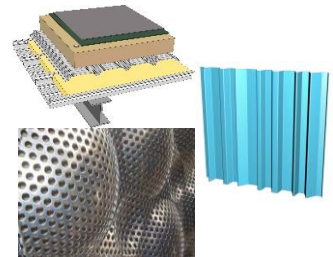
## Insulated panels systems

- Insulated panels systems with PIR/PUR or MW, single or in system, applicable in all segments, provide the perfect solution to all regulatory performances and aesthetics.



## Architectural Façade Systems

- A creative offer of multiple shapes, coatings and metallic surfaces, very often tailor made to the architectural concept of our customers.

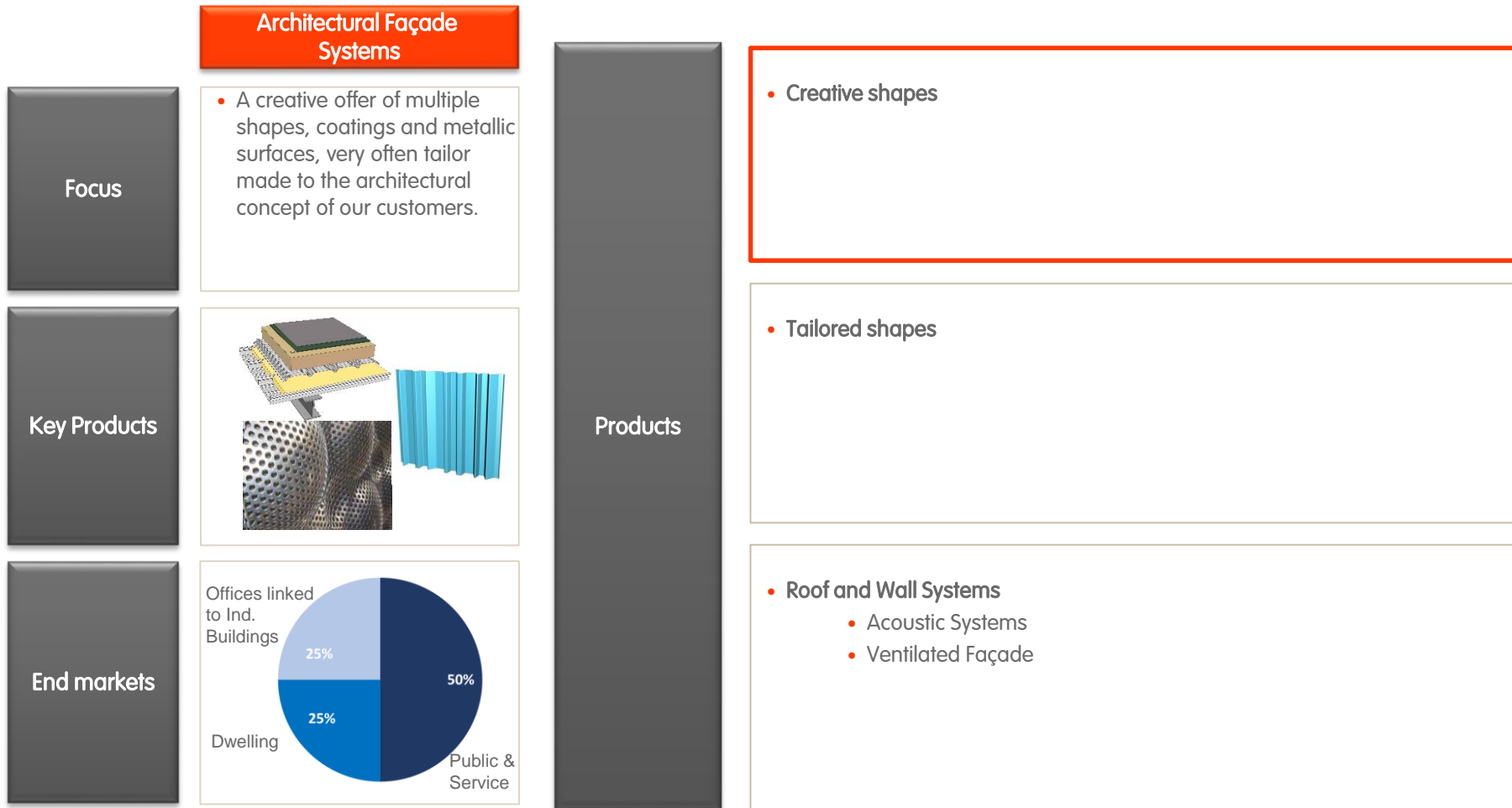




# ArcelorMittal Construction: Architectural Façade Systems

High quality product portfolio with the largest product offering in the market

- Wall System All in One produced outside Spain



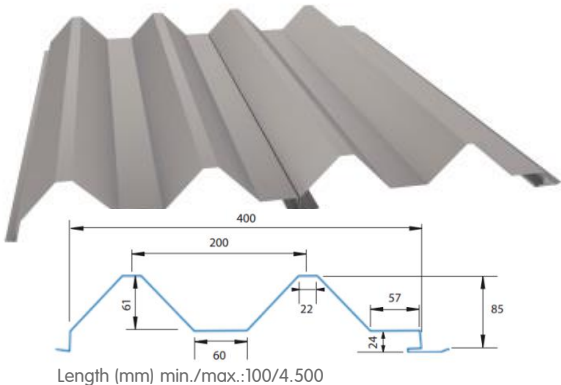


Creative shapes

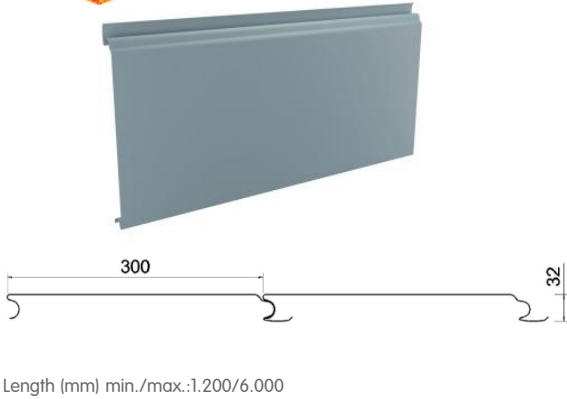


Hidden fixing

GIZA® (1.400.85)



EUROLINE N-300 (1.300.32)



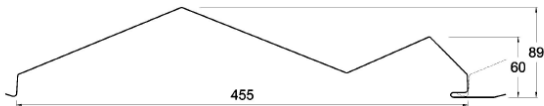
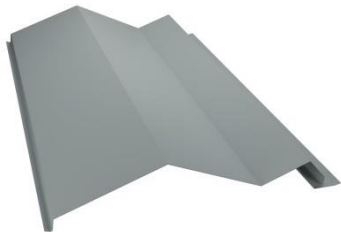
Medea® (5.202.44)



Creative shapes

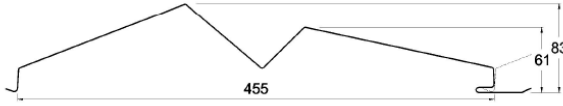
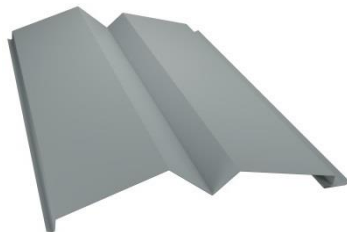
Hidden fixing

KEFREN 3.1  
(1.455.83)



Length (mm) min./max.:100/6.000

KEFREN 3.2  
(1.455.89)



Length (mm) min./max.:100/6.000

Creative shapes

Visible fixing

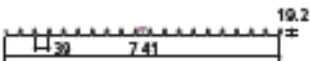
Arguin®



Thickness 1.00  
Weight 10.00

Length (mm) max.: 3.950

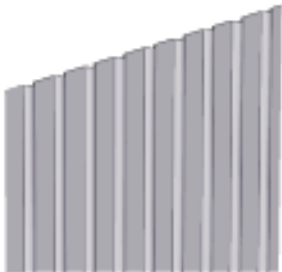
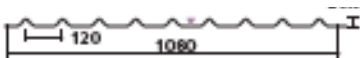
Arguin® XL



Thickness 1.00  
Weight 13.60

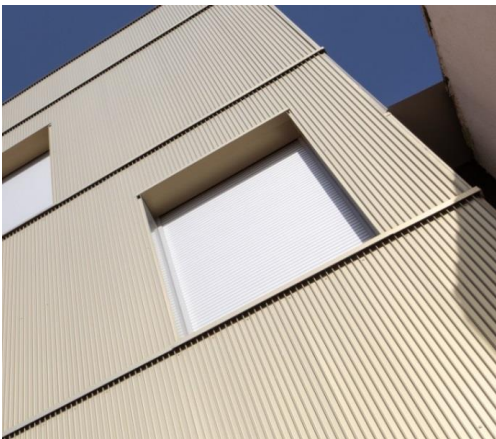
Length (mm) max.: 3.950

Rétro®



Thickness 1.00  
Weight 9.80

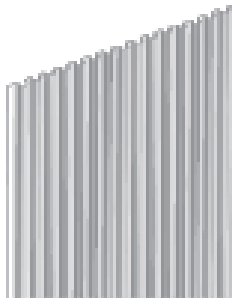
Length (mm) max.: 4.000



Creative shapes

Visible fixing

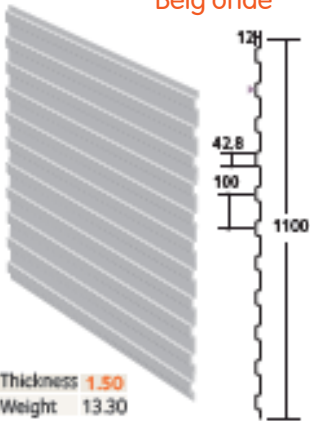
Carraine



Thickness 0.75  
Weight 10.40  
Length (mm) max.: 3.200



Belg'onde



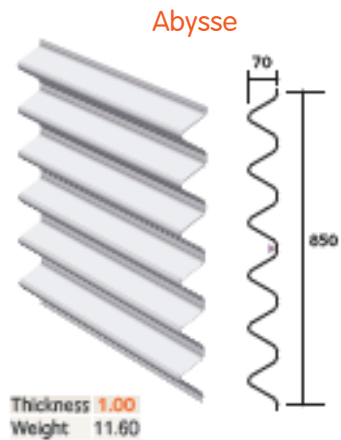
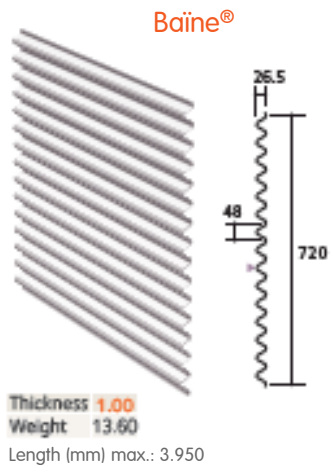
Thickness 1.50  
Weight 13.30  
Length (mm) max.: 3.000





Creative shapes

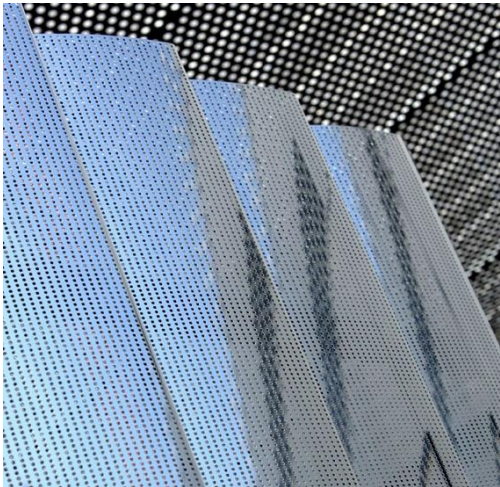
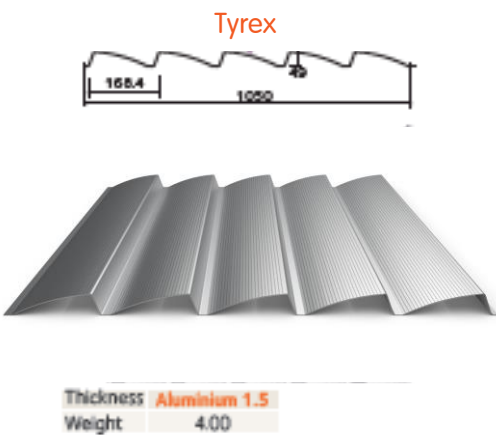
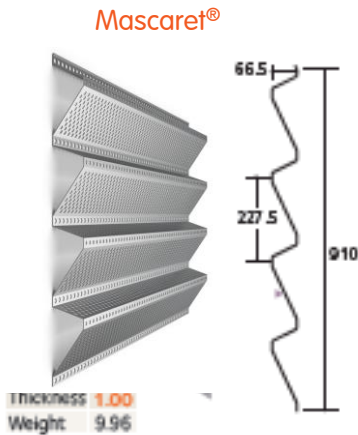
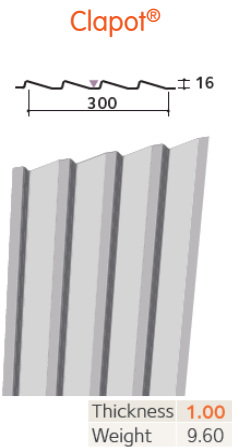
Visible fixing





Creative shapes

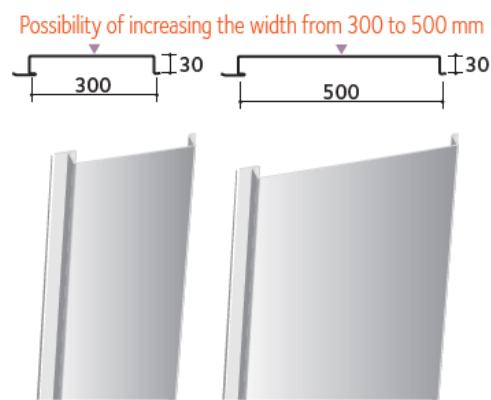
Visible fixing



Creative shapes

Hidden fixing

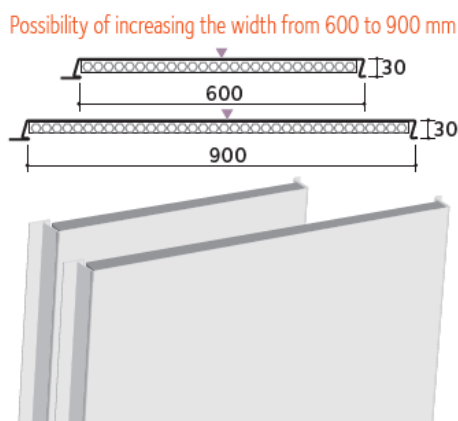
ST300 & ST500



Consult us for JCD and JCB finishes

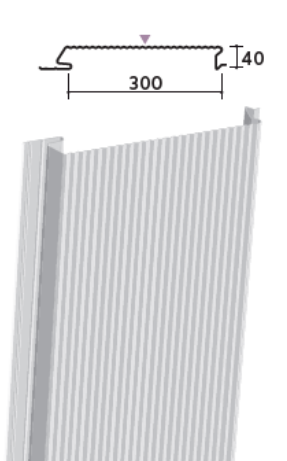
V & HZ finish	ST300	ST500
Thickness	1.00	1.50
Weight	11.00	14.70

ST600 Evolution & ST900 Evolution



HZ finish only	ST600	ST900
Thickness	1.00	1.50
Weight	14.30	18.30

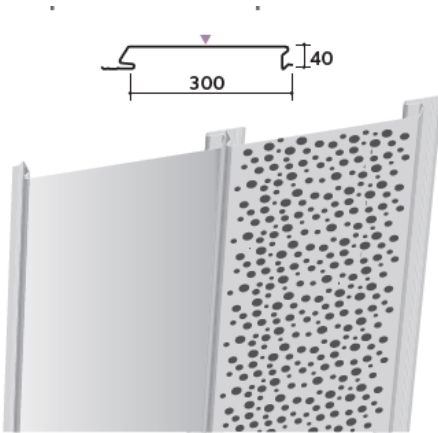
Hairline® 300



Thickness	0.88
Weight	10.96

Length (mm) max.: 10.000

Hairplan® 300 & Hairplan® 300 Déco



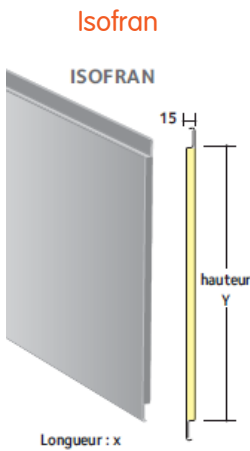
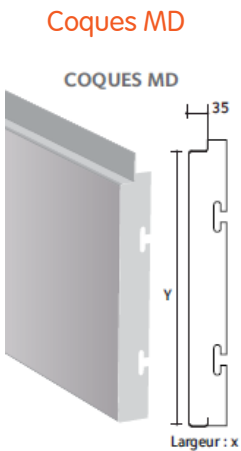
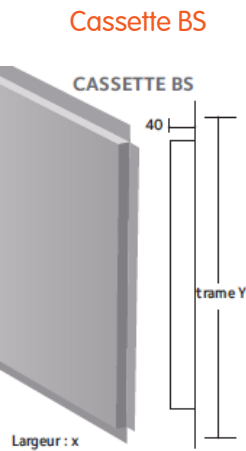
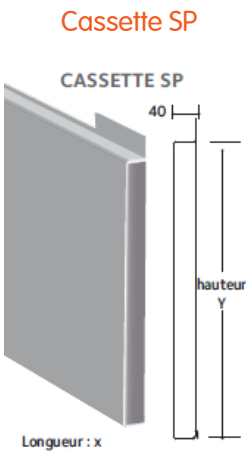
	Hairplan® 300	Hairplan® 300 Déco
Thickness	1.00	1.00
Weight	12.47	10.81

Length (mm) max.: 10.000



Creative shapes

Hidden fixing

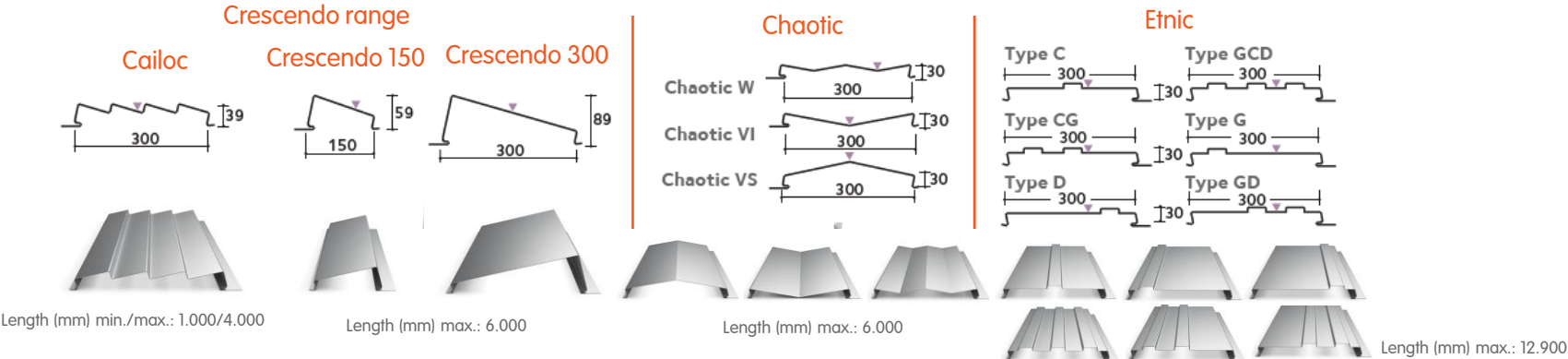




Creative shapes

Hidden fixing

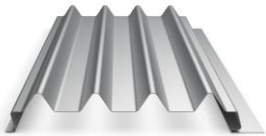
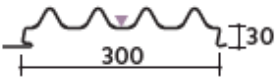
The products of this range have the same male-female interlock system than Lames ST. Thus, it enables to create systems like Crescendo, Ethnic or Chaotic where you can mix different patterns together.



Creative shapes

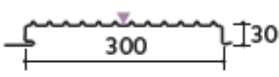
Hidden fixing

Vibrato



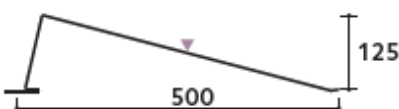
Length (mm) max.: 4.000

Pulsation



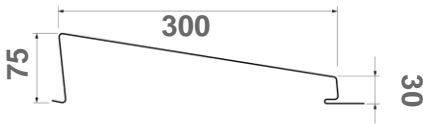
Length (mm) max.: 4.000

Ecaille



Length (mm) max.: 5.500

Gascogne



Length (mm) max.: 6.000





Creative shapes

Lumière ® C finishing



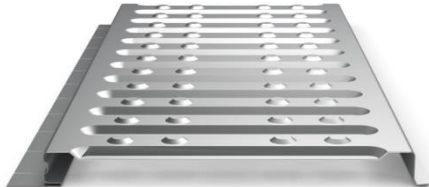
Length (mm) max.: 6.017

Lumière ® ST finishing



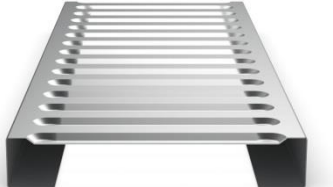
Length (mm) max.: 6.017

Littoral

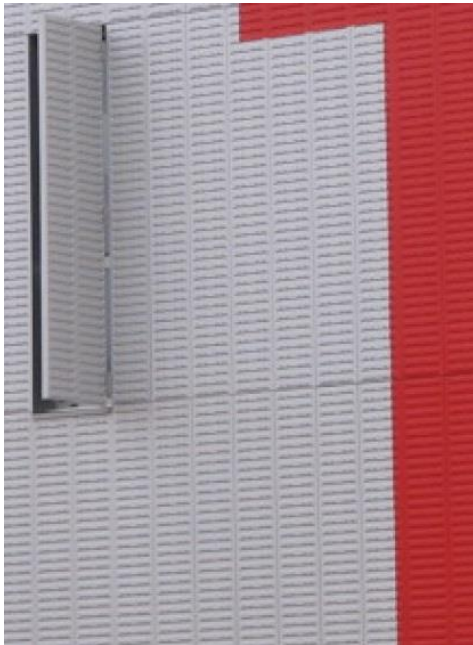


Length (mm) max.: 2.000

Solen Invisible fixing



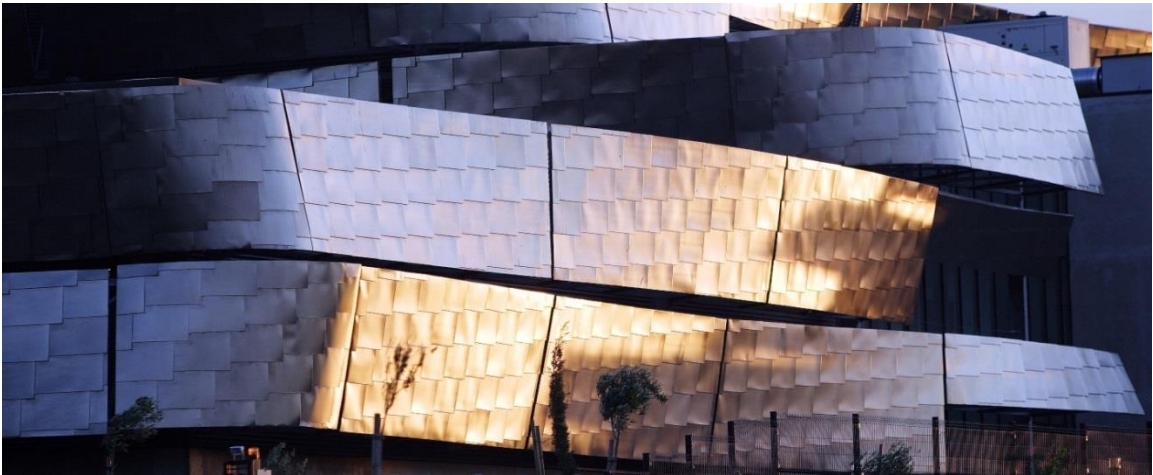
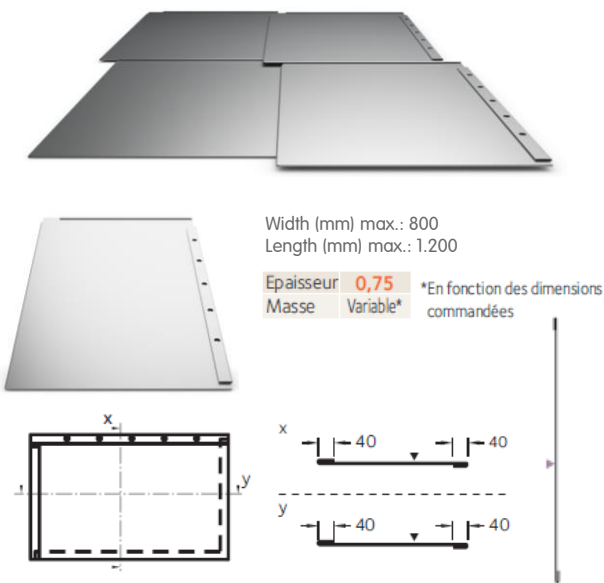
Length (mm) max.: 6.000



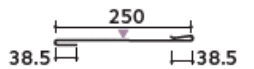
Creative shapes

Caïman®

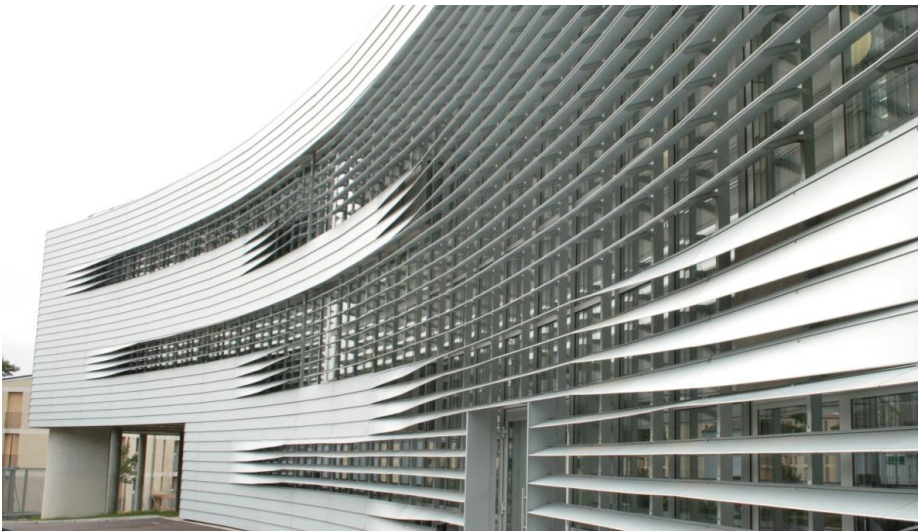
Hidden fixing



Hélice



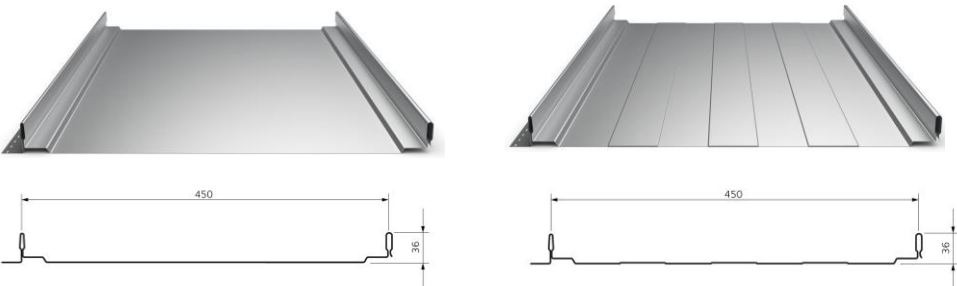
Delivered flat for bending during installation



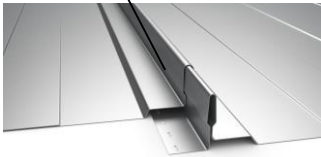
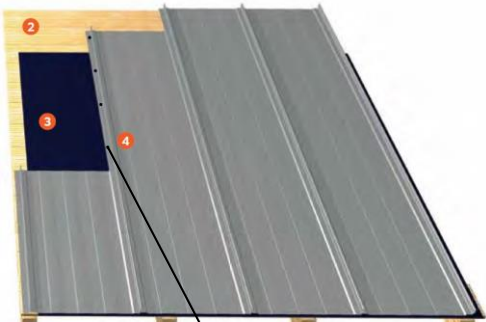
Creative shapes

Hidden fixing

Mauka Line



Length (mm) min./max.: 1.800/13.000



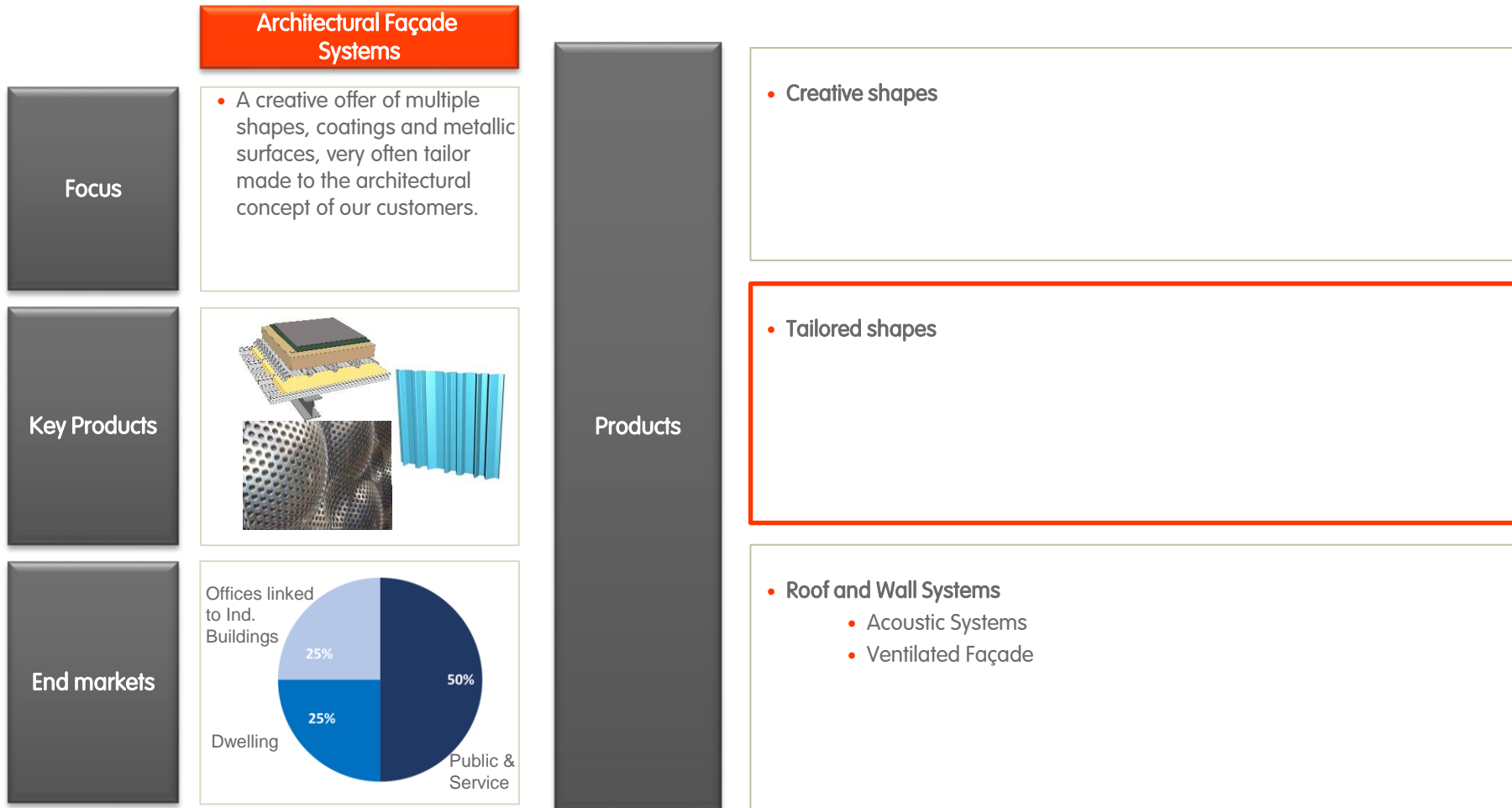




# ArcelorMittal Construction: Architectural Façade Systems

High quality product portfolio with the largest product offering in the market

- Wall System All in One produced outside Spain



### Tailored Shapes

#### Freedom of architectural creation

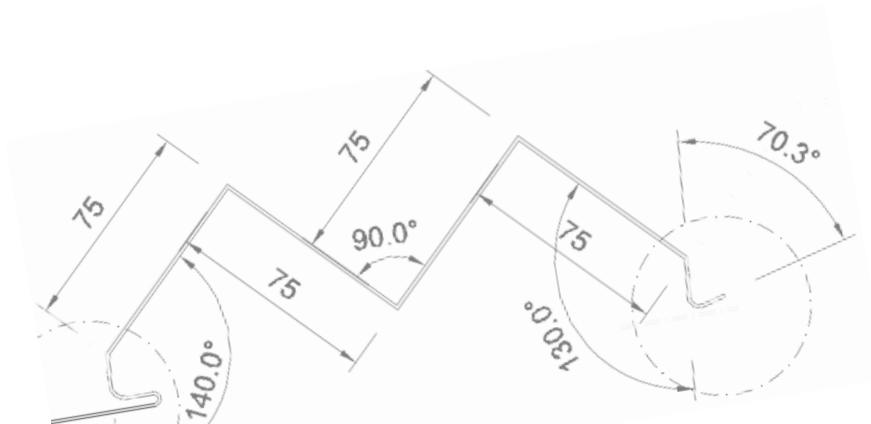
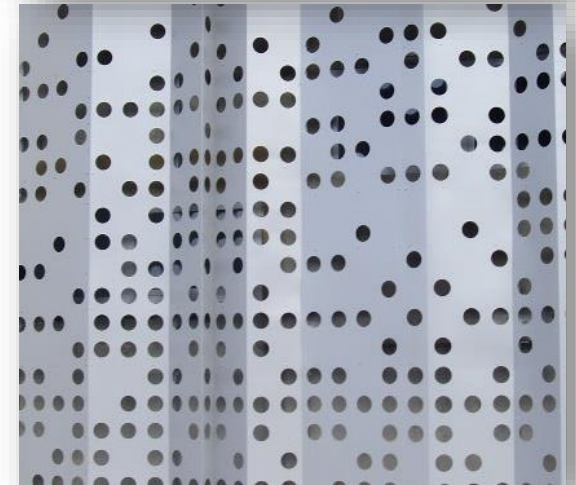
Create with complete freedom and explore the variety of metal forms, coatings and surface conditions.

We advise the architect to create tailored façade profiles, new shapes to give buildings prestige and character. The outer appearance can be designed from a 1250 mm width coil.

Special perforations could be made to strengthen the originality of the cladding and filter light.

#### Freedom of materials

Personalise your innovative façade solution from a wide choice of materials: copper, aluminium, stainless steel, metallic finish or pre coated steel in a wealth of colours, thus allowing greater freedom of expression.



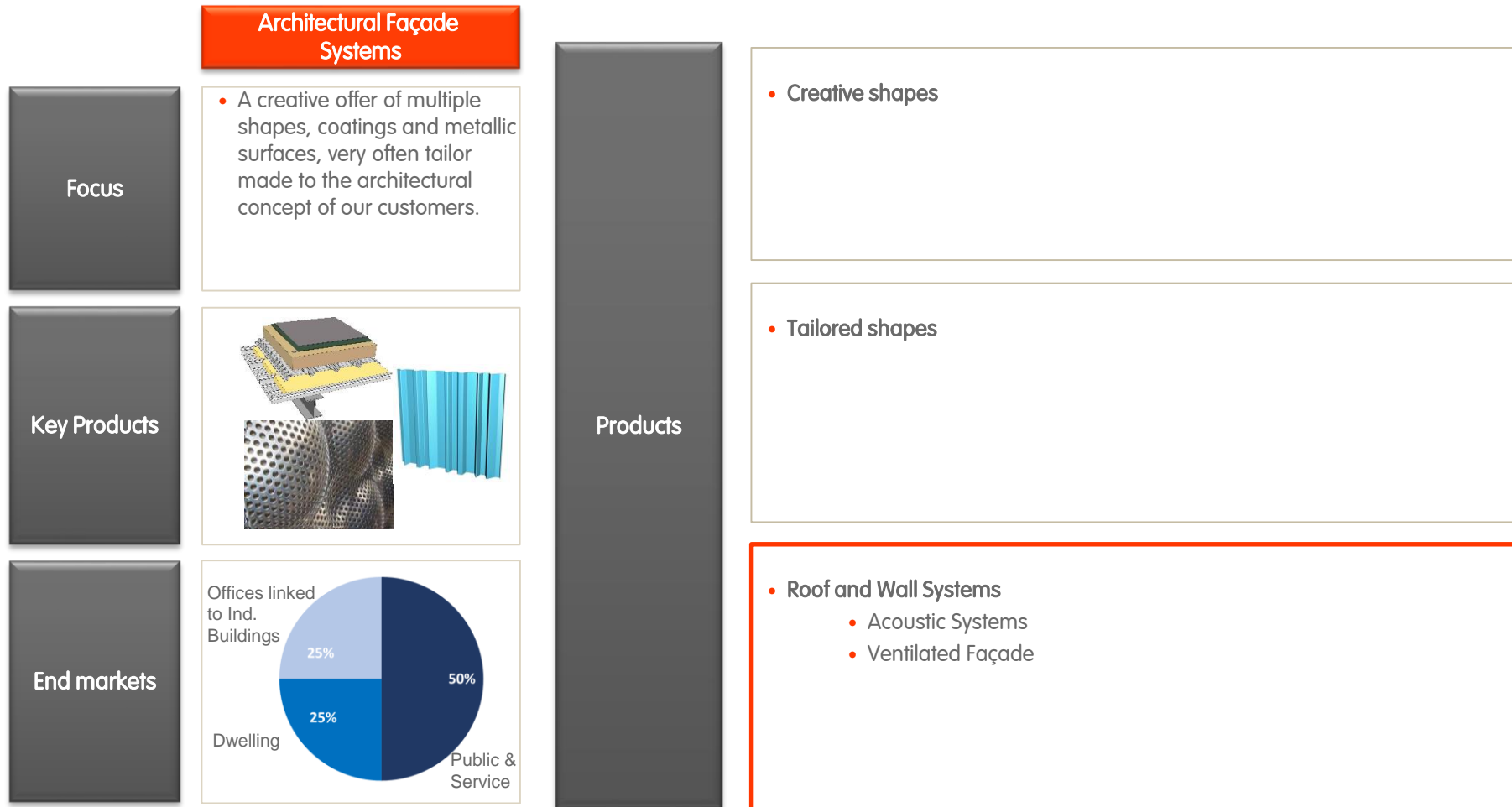




# ArcelorMittal Construction: Architectural Façade Systems

High quality product portfolio with the largest product offering in the market

- Wall System All in One produced outside Spain

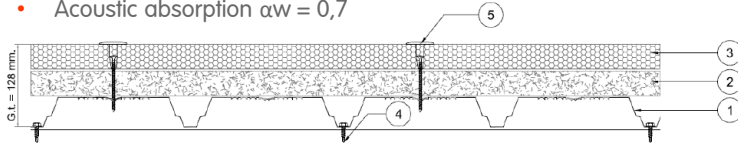


## Wall Systems

### Acoustic Systems

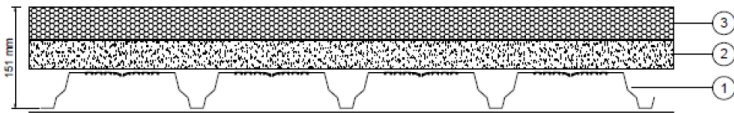
#### Eurosilence® B – 0,70

- Acoustic absorption  $\alpha_w = 0,7$



#### Eurosilence® B – 0,70 (2)

- Acoustic absorption  $\alpha_w = 0,7$
- Thermal transmittance:  $U = 0,29 \text{ W/m}^2\text{K}$



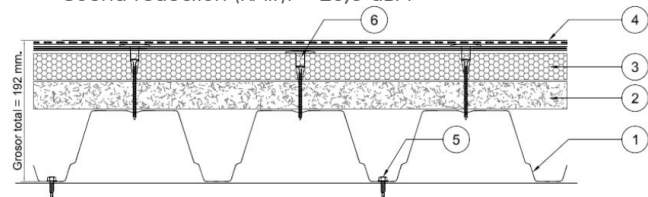
#### Eurosilence® B – 0,85

- Acoustic absorption  $\alpha_w = 0,85$



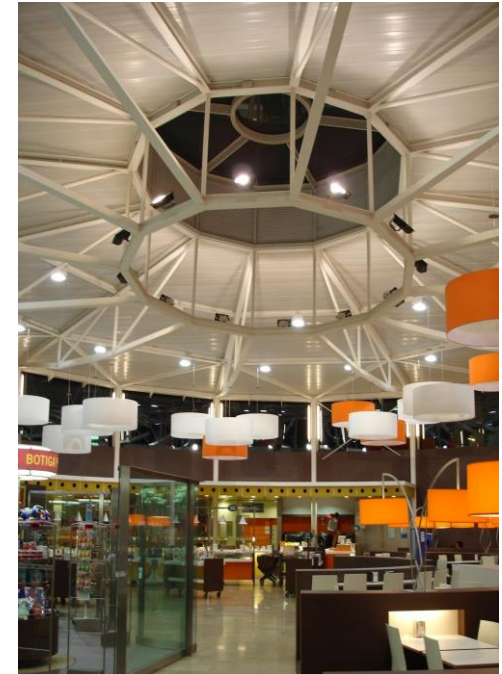
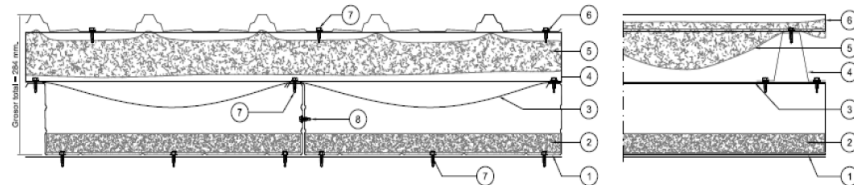
#### Eurosilence® I – 28

- Sound reduction index  $R_w = 36(-2;-8)\text{dB}$
- Sound reduction (RA): = 34,6 dBA
- Sound reduction (RA<sub>tr</sub>): = 28,5 dBA



#### Eurosilence® I – 45

- Sound reduction index  $R_w = 55(-2;-9)\text{dB}$
- Sound reduction (RA): = 53,6 dBA
- Sound reduction (RA<sub>tr</sub>): = 45,5 dBA



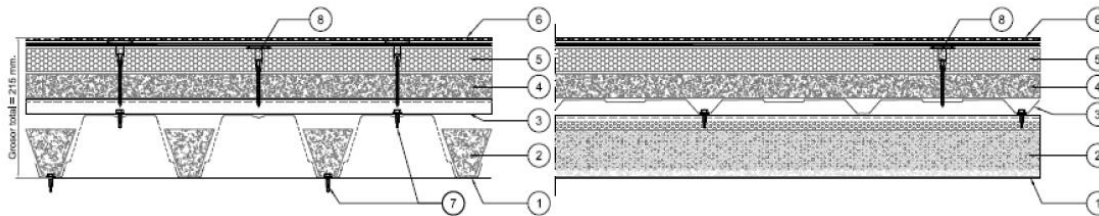
## Wall Systems

- Acoustic Systems

### Eurosilence® IB – 30/0,70



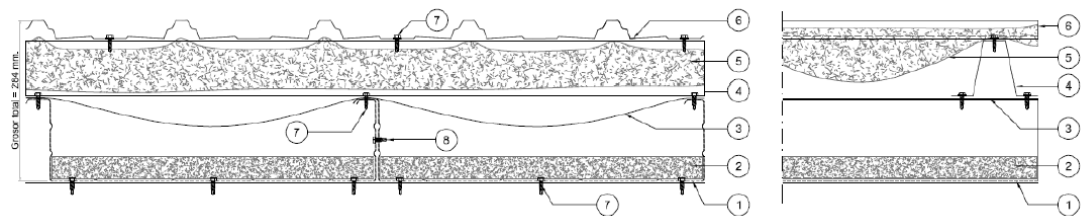
- Sound reduction index  $R_w = 38(-3;-8)$  dB
- Sound reduction (RA): = 35,8 dBA
- Sound reduction (RA<sub>tr</sub>): = 29,6 dB
- Acoustic absorption  $\alpha_w = 0,7$



### Eurosilence® IB – 30/1,00



- Sound reduction index  $R_w = 38(-2;-8)$  dB
- Sound reduction (RA): = 36,8 dBA
- Sound reduction (RA<sub>tr</sub>): = 30,4 dB
- Acoustic absorption  $\alpha_w = 1$



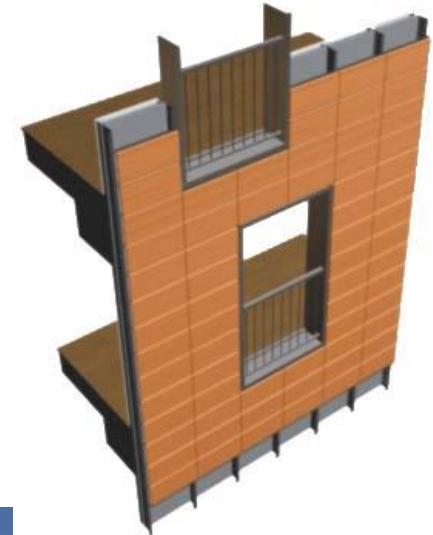
## Wall Systems

- Ventilated façade

Eurohabitat®



- ✓ Multi-layer façade cladding
- ✓ Reduction on execution time
- ✓ Economic, efficient and flexible installation cladding system
- ✓ Dry construction
- ✓ All the installations inside trays
- ✓ High performance
- ✓ Uniform insulation without thermal bridges







ArcelorMittal

# ArcelorMittal Construction: Product portfolio

High quality product portfolio with the largest product offering in the market

Focus

## Materials and steel Coating<sup>(1)</sup>

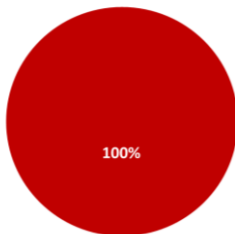
- Pre-painted coils with a wide range of colors and organic coatings responding to all environmental conditions.
- Our coatings are developed to address the architectural needs of our customers.

Key Products



End markets

Coils sold to AMC



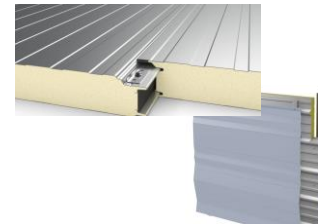
## Building components

- A wide range metal profiles, for roof, wall and flooring purpose applicable to all segments and regional specifications.
- A specific range of decking for support of PV modules.



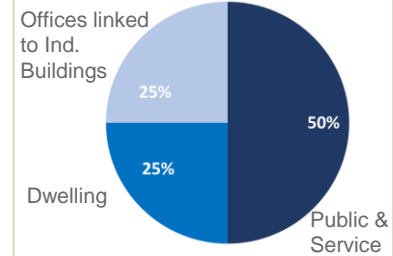
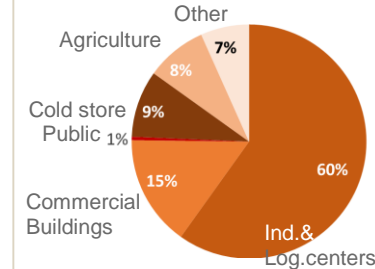
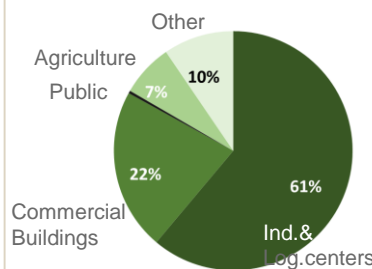
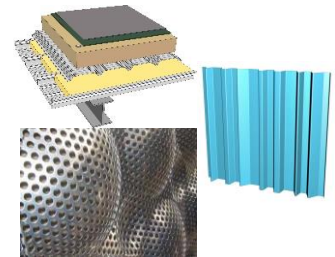
## Insulated panels systems

- Insulated panels systems with PIR/PUR or MW, single or in system, applicable in all segments, provide the perfect solution to all regulatory performances and aesthetics.



## Architectural Façade Systems

- A creative offer of multiple shapes, coatings and metallic surfaces, very often tailor made to the architectural concept of our customers.







# ArcelorMittal Construction: Materials and steel Coating

High quality product portfolio with the largest product offering in the market



## Materials and coatings

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- Materials

- ✓ Steel
- ✓ Stainless steel
- ✓ Weathering steel
- ✓ AluZinc
- ✓ Aluminium
- ✓ Composite panel – Stacbond
- ✓ Copper
- ✓ Others uppon request

## Materials and coatings

---

- Emotion Wall



Proposal offered to customize façade cladding projects (corporate identity, landscape integration, graphics and photography).



- ✓ High resolution four-colour UV digital painting treatment of the outer face of steel and aluminium profiles (perforated or not) and steel sandwich panels, which works as exterior “coating”.
- ✓ Great adherence of the painting to the support
- ✓ Durability of the exterior
- ✓ Resistance to UV rays
- ✓ Easy anti-graffiti cleaning
- ✓ Suitable for interiors and exteriors

## Materials and coatings | Coatings and metallic surfaces

- Coatings

ORGANIC COATINGS		Category		EN10169		Unpolluted rural	Urban and industrial		Marine					Special	
		DIN 55634	NFXP 34301	UV Category	Corrosion category		Normal	Severe	20 to 10 km	10 to 3 km	3 to 1 km	1 km to 300 m	Mixed	High U.V.	Special
ESMERALDA 25	HAIRPLUS®	III	IV	RUV3	RC3	A	A	C	A	B	C	C	C	B	C
ESMERALDA 35	HAIRULTRA®/EDYXO®/IRYSA®	III	VI	RUV4	RC4	A	A	B	A	A	A	B	B	A	B
ESMERALDA EXCEL	NATUREL/AUTHENTIC	III	VI	RUV4	RC4	A	A	B	A	A	A	B	B	A	B
RUBÍ PLUS	HAIRFLON® 25	III	IV	RUV4	RC3	A	A	C	A	B	C	C	C	B	C
RUBÍ EXCEL	HAIRFLON® 35	III	VI	RUV4	RC4	A	A	B	A	A	A	C	B	A	B
	KEYRON 200	III	V	RUV3	RC5	A	A	B	A	A	A	B	B	B	B
DIAMANTE OPTIM	HAIREXCEL®	III	VI	RUV4	RC5	A	A	B	A	A	A	B	B	A	B
	R'UNIK	III	VI	RUV4	RC5	A	A	B	A	A	A	B	B	A	B
RUBÍ OPTIM	INTENSE/PEARL/FLONTEC®	III	VI	RUV4	RC5	A	A	B	A	A	A	B	B	A	B
DIAMANTE PLATINIUM	SINEA®	III	VI	RUV4	RC5	A	A	B	A	A	A	A	B	A	B



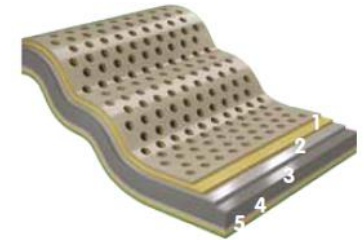
## Materials and coatings | Coatings and metallic surfaces

### • Coatings | Solexcel®

Solexcel® is the first pre-painted steel specifically designed to provide effective protection against UV and corrosion, even when perforated.

Developed to combine thermal efficiency and design, our sun screens made of Solexcel® optimize the comfort of your buildings while allowing you to design customized facades at the best level of finish and durability.

A balance between solar protection capacity, and the maximum transmission of daylight has to be found in order to increase visual comfort in office open spaces.



Solexcel® is guaranteed up to 10 years against corrosion and discoloration for steel thickness between 0,75 mm and 1 mm.

SOLEXCEL®	
1.	60µm of polyurethane primer and top coat
2.	ZMEvolution®
3.	Steel
4.	ZMEvolution®
5.	60µm of polyurethane primer and top coat

Perforations available in the profiles offer			
R10 T14	R6 T10	R5 T12,5	R4 T8
Percentage of perforated area: 46%	Percentage of perforated area: 33%	Percentage of perforated area: 15%	Percentage of perforated area: 23%

Please contact us for others profile/perforation systems

Coating guide									
Ambiances	Unpolluted rural		Urban and industrial		Marine			Special	
	Normal	Severe	20 to 10 km	10 to 3 km	3 to 1 km	Mixed	High U.V.	Special	
Solexcel® 60x60	A	A	B	A	B	B	C	A	C

A: The product is suitable B: Subject to approval C: Not suitable

SOLEXCEL® Coating Properties	
Composition	Polyurethane paint system with very high durability applied on a thick primer including corrosion inhibitor
Abrasion resistance	Sand blasting : 120 liters Taber : 40 mg
Flexibility and adhesion	No peeling and no cracking at 2T
Corrosion resistance	Salt spray test: 500h Humidity test: 1500h
Color and gloss	Resistance to UV: Delta E ≤ 2 Gloss retention ≥ 80% RUV4 category

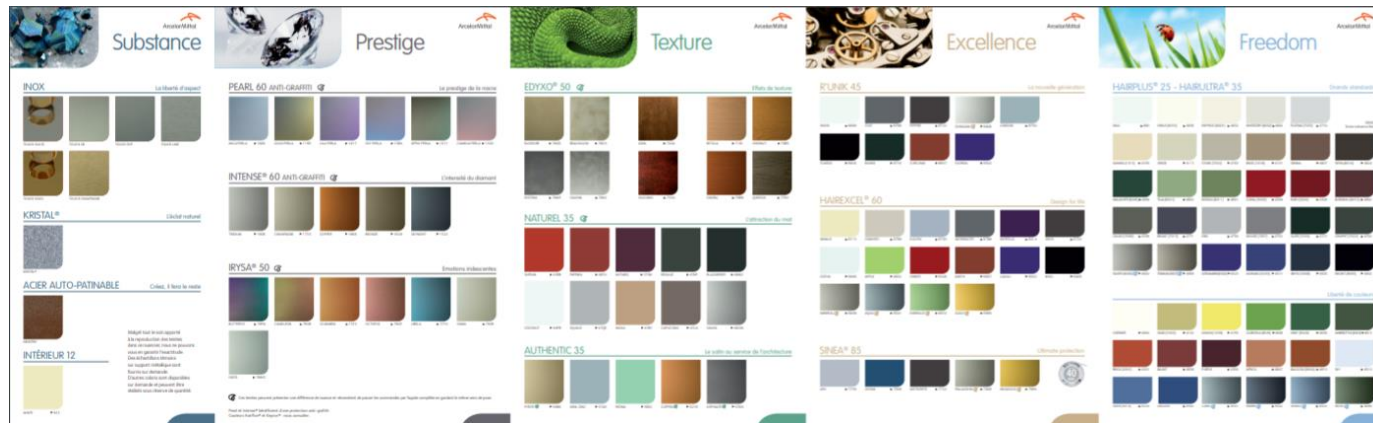
VANILLE ▶ 6115	CIMENTO ▶ 6799	DOLFIN ▶ 6750	ANTHRACITE ▶ 6798
APPLE ▶ 6662	ORBITE ▶ 6306	EARTH ▶ 6857	LAZULI ▶ 6602
MINERAL ▶ 6906	GOLD ▶ 6995	MYRTILLE ▶ 6414	ONYX ▶ 6722

## Materials and coatings | Coatings and metallic surfaces

- Standard colors and coating



- Global colors and coatings



Thank you for your attention !

