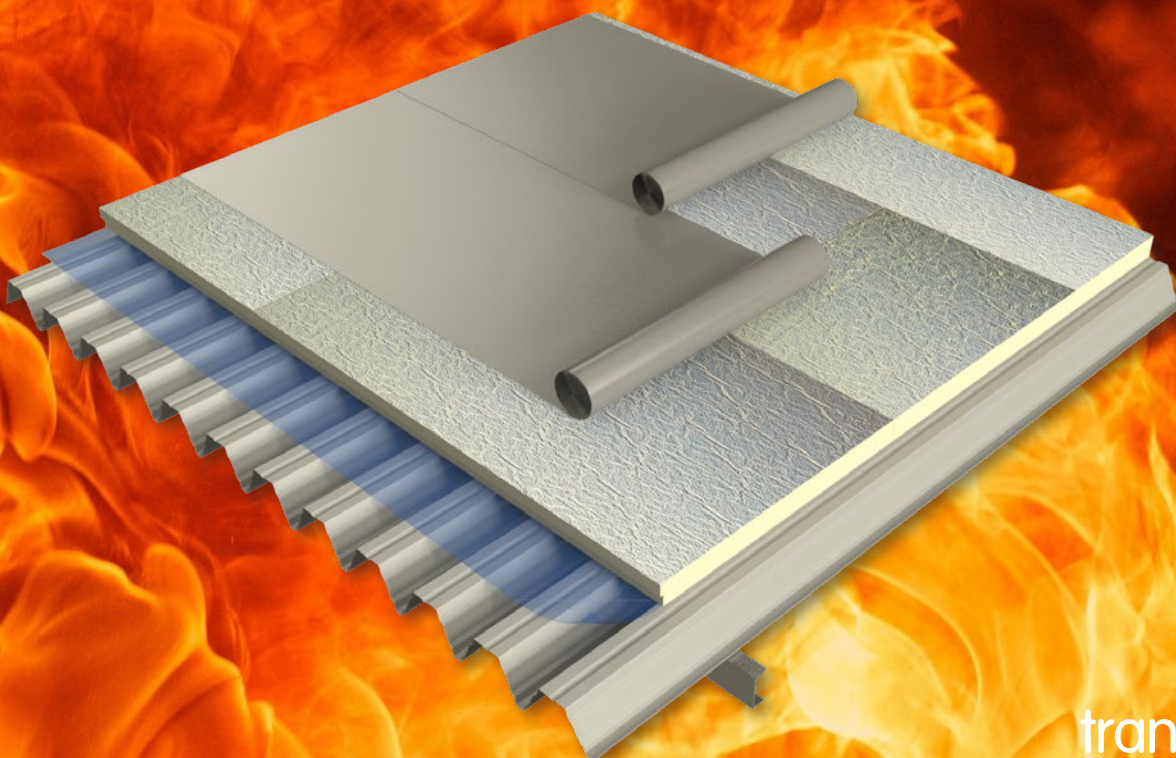




Fire solutions for flat folded roofs

Globalroof®



transforming
tomorrow

Simple and safe solutions of flat folded roofs with fire resistance requirement

ArcelorMittal Construction **Globalroof®** flat folded roof structures present further evidence of our company's innovative approach to implement new technical solutions. Based on years of experience in the development and production of structural trapezoidal profiles, we now offer a solution that will surely appeal to all building experts.

Globalroof® solutions will find its use in the production and storage halls, logistics and distribution centres, and many other industrial projects.

Of course you already know that these buildings must comply with a number of requirements and applicable standards in terms of thermal engineering and fire safety. In connection with these requirements, several types of roof compositions appear in practice as thermal-insulation layers.

We bring an ideal solution of folded roof constructions with excellent technical parameters.

We deliver a new level of quality and safety in the field of structural trapezoidal profiles.

Our products have demonstrated fire resistance results during the test with accidental load for a period of **60 minutes**.

The best fire resistance in the market, high-quality material, long service life, and technical support – all this is why to choose ArcelorMittal Construction as your supplier of folded roof structures.

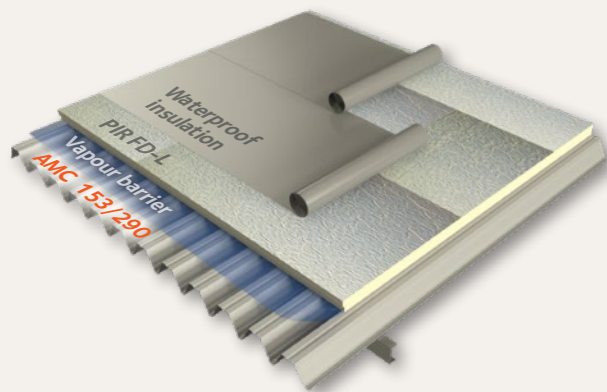
We always build on quality – so that you could build further on it.

-  Excellent fire resistance
-  Extraordinary bearing capacity
-  Optimal thermal insulation
-  Easy handling and assembly
-  ECO friendly



For additional information, please contact our technical / sales department

Globalroof® p F20



PIR	U _D	Fire resistance
Thc. (mm)	(W/m ² K)	
100	0,21	REI 20
120	0,18	
140	0,15	
160	0,13	
180	0,12	
200	0,11	

λ_D = 0,022 W/m²K (PIR FD-L)

Description:

Flat folded roof structure assembly made of PIR thermal insulated boards.

Typical structure Globalroof® p F20:

- AMC 153/290, thickness 0,75 mm
- Vapour barrier
- PIR board FD-L, thickness ≥ 100 mm
- Waterproof insulation

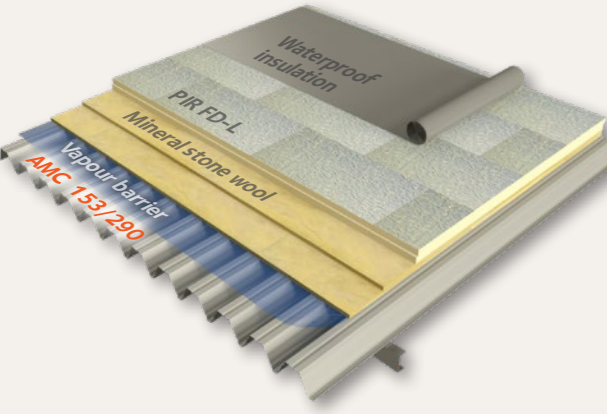
Other variants of trapezoidal profiles:

AMC 55/250, AMC 60/235, AMC 92/275, AMC 135/310, AMC 160/250HL, AMC 200/420

Benefits:

- Offers excellent thermal insulation properties in its price range
- Lightweight, firm form, and solid composition
- No generation of moulds
- Fast and simple installation

Globalroof® mp F60



Mineral + PIR	U _D	Fire resistance
Thc. (mm)	(W/m ² K)	
20 + 100	0,19	REI 30
60 + 100	0,16	REI 60
60 + 140	0,12	
60 + 180	0,10	
80 + 100	0,15	
95 + 100	0,14	

λ_D = 0,037 W/m²K (MV), λ_D = 0,022 W/m²K (PIR FD-L)
Mineral stone wool with density 120 kg/m³

Description:

Flat folded roof structure assembly made of mineral fibre thermal insulated boards and PIR boards.

Typical structure Globalroof® mp F60:

- AMC 153/290, thickness 0,75 mm
- Vapour barrier
- Mineral stone wool, thickness 2 x 30 mm
- PIR board FD-L, thickness ≥ 100 mm
- Waterproof insulation

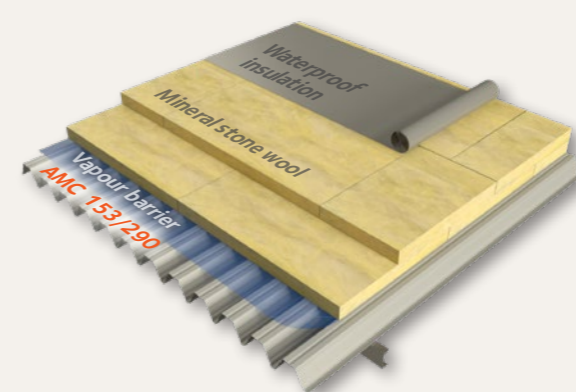
Other variants of trapezoidal profiles:

AMC 55 /250, AMC 60/235, AMC 92/275, AMC 135/310, AMC 160/250HL, AMC 200/420

Benefits:

- Suitable for higher fire resistance requirements
- Offers excellent thermal insulation properties in its price range
- Lightweight, firm form, and solid composition
- No generation of moulds

Globalroof® m F60



Mineral	U _D	Fire resistance
Thc. (mm)	(W/m ² K)	
90	0,39	REI 60
120	0,30	
160	0,22	
200	0,18	
240	0,15	
280	0,13	

λ_D = 0,037 W/m²K (MV)
Mineral stone wool with density 120 kg/m³

Description:

Flat folded roof structure assembly made of mineral fibre thermal insulated boards.

Typical structure Globalroof® m F60:

- AMC 153/290, thickness 0,75 mm
- Vapour barrier
- Mineral stone wool, thickness ≥ 90 mm
- Waterproof insulation

Other variants of trapezoidal profiles:

AMC 55/250, AMC 60/235, AMC 92/275, AMC 135/310, AMC 160/250HL, AMC 200/420

Benefits:

- Suitable for higher fire resistance requirements
- Tight insulation of spaces
- No generation of moulds
- Fast and simple installation

Globalroof® mep F30



Mineral + EPS	U _D	Fire resistance
Thc. (mm)	(W/m ² K)	
60 + 60	0,30	REI 30
60 + 140	0,18	
60 + 220	0,13	
80 + 60	0,28	
80 + 160	0,16	
80 + 200	0,14	

λ_D = 0,035 W/m²K (MV), λ_D = 0,037 W/m²K (EPS)
Mineral stone wool with density 120 kg/m³

Description:

Flat folded roof structure assembly made of mineral fibre thermal insulated boards and EPS boards.

Typical structure Globalroof® mep F30:

- AMC 153/290, thickness 0,75 mm
- Vapour barrier
- Mineral stone wool, thickness 2 x 30 mm
- EPS 100, thickness ≥ 60 mm
- Waterproof insulation

Other variants of trapezoidal profiles:

AMC 55 /250, AMC 60/235, AMC 92/275, AMC 135/310, AMC 160/250HL, AMC 200/420

Benefits:

- Offers excellent thermal insulation properties in its price range
- Lightweight, firm form, and solid composition



ArcelorMittal

Sales:

ArcelorMittal Construction

construction-ceska-republika.arcelormittal.com

construction-slovakia.arcelormittal.com

construction-hungary.arcelormittal.com

construction-croatia.arcelormittal.com

This leaflet is not a contract document. The technical information contained inside is for explanation only. We are not responsible for the published content. If the content is inconsistent with the new official materials, the new materials are current

06/2024