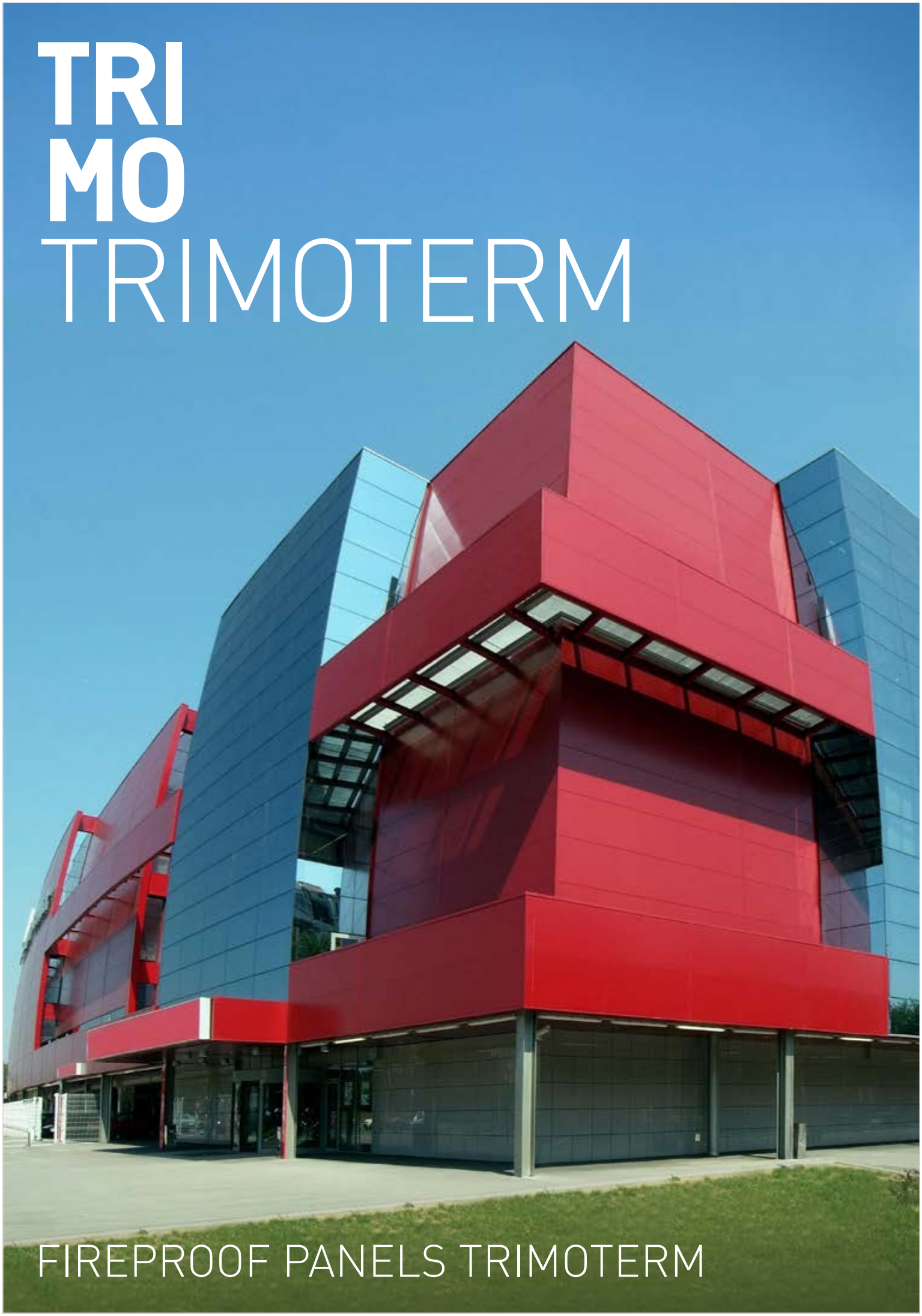
TRIMO TRIMOTERM



FIREPROOF PANELS TRIMOTERM

FIREPROOF PANELS TRIMOTERM

TRIMOTERM PANELS WITH MINERAL WOOL CORE (FTV and SNV)

Fireproof panels Trimoterm FTV and SNV with mineral wool core are the ideal construction solution where the very high demands of fire resistance, sound reduction and thermal insulation are required. The panel consist of two profiled, galvanized colour coated steel sheets and a structural insulation made of non-combustible laminated mineral wool of class A1 (EN 13501 - 1). All three layers are bonded to form a composite element.

TRIMOTERM PANELS WITH A PIR CORE (FTPi and SNPi)

Fireproof panels Trimoterm FTPi and SNPi with a PIR core are the perfect choice for buildings with high thermal insulation, hygienic, and sound insulation demands. They offer basic fire protection. Panels consist of two profiled, galvanized colour coated steel sheets and insulation with a PIR core. All three layers are then bonded to form a composite element.

CE

FAÇADE

FAÇADE PANELS TRIMOTERM FTV

Fireproof panels Trimoterm FTV are particularly convenient for constructions, where the very high demands of fire resistance, sound reduction and thermal insulation are required. Trimoterm FTV fireproof panels are used for a wide range of external façade cladding, internal partition walls and ceilings for either leisure, commercial, industrial, hygienic and other facilities. Panels can be installed in either vertical or horizontal orientation.

FAÇADE PANELS TRIMOTERM FTPi (PIR)

Fireproof panels Trimoterm FTPi offer basic fire protection. Panels are suitable for a wide range of external façade cladding, internal partition walls and ceilings for industrial, commercial and particularly for hygienic, clean and cold rooms and other facilities. Panels can be installed in either vertical or horizontal orientation.

DIMENSIONS OF FAÇADE PANELS

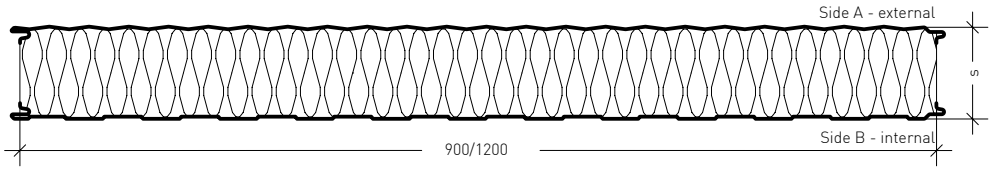
- cover width:
    - invisio FTV H and FTPi H 1000 mm,
    - standard FTV and FTPi 1000 mm,
    - non-standard panel FTV and FTPi widths can be manufactured by special request from 900 to 1200 mm.
- maximum length:
    - FTV and FTV H up to 13,6 m,
    - FTPi and FTPi H d ≥100mm up to 12,2 m,
    - FTPi and FTPi H d ≤80mm up to 13,6 m.

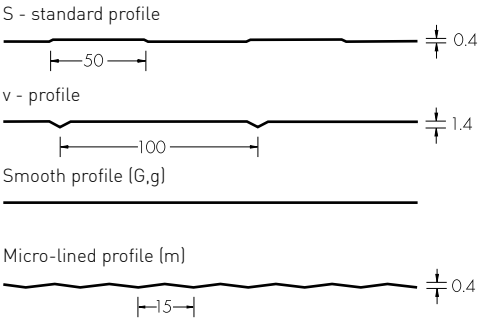
ANCILLARY ELEMENTS

Pre-formed sharp edged and rounded corner elements, flashings, various decorative aluminium extrusions are available.

TECHNICAL CHARACTERISTICS

TRIMOTERM FTV AND TRIMOTERM FTPi





PROFILE TYPE	SIDE A	SIDE B
S - profile (s)	•	•
V - profile (v)		•
Smooth profile (G, g)	•	•
Micro-lined profile (m)	•	

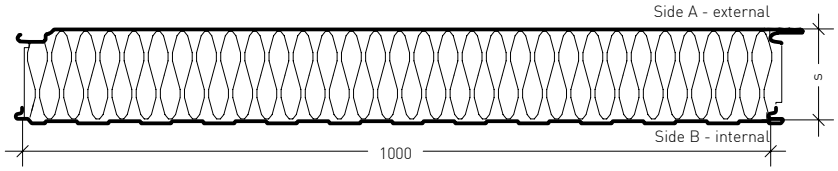
Side A is usually the external side of a panel.

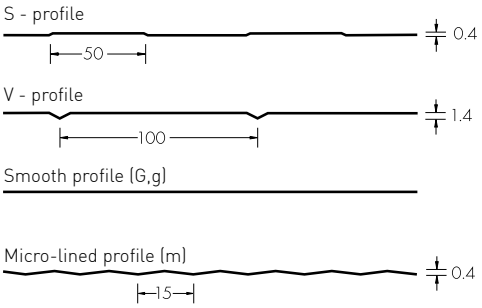
TECHNICAL DATA FTV		FTV 50	FTV 60	FTV 80	FTV 100	FTV 120	FTV 150	FTV 172	FTV 200	FTV 240
Panel thickness (mm)		50	60	80	100	120	150	172	200	240
Weight FTV 1000 [kg/m^2]	Fe0.55/Fe0.5	14,0	15,0	17,0	19,0	21,0	24,0	26,2	29,0	33,0
Thermal transmittance [W/m^{2}K] (EN 14509)		0,74	0,63	0,48	0,39	0,33	0,26	0,23	0,20	0,17
Fire resistance (EN 14509)		/	/	EI60	EI120		EI180			
Combustibility of insulant core (EN 14509)		Mineral wool Non - combustible, class A1								
Airborne Sound Insulation Rw (C;Ctr) [dB] (EN 14509)		/	30 (-2; -3)	31 (-2; -3)	32 (-1; -3)		32 (-1; -2)			
Cover width [mm]		900-1200 (standard 1000, 1145, 1165, 1200)								
Panel length [m]		minimum 1,2; maximum 13,6								

TECHNICAL DATA FTPi		FTPi 50	FTPi 60	FTPi 80	FTPi 100	FTPi 120	FTPi 150	FTPi 170	FTPi 200
Panel thickness [mm]		50	60	80	100	120	150	170	200
Weight FTPi [kg/m^2]	Fe0.5/Fe0.5	10,1	10,5	11,4	12,2	13,1	14,4	15,3	16,5
Thermal transmittance [W/m^{2}K] (EN 14509)		0,45	0,38	0,29	0,23	0,20	0,16	0,14	0,12
Fire resistance (EN 14509) [min]		/			EI60 - ef				
Airborne Sound Insulation Rw (C;Ctr) [dB] (EN 14509)		24 (-2; -4)			26 (-4; -6)				
Cover width [mm]		900-1200 (standard 1000, 1145, 1165, 1200)							
Panel length [m]		minimum 2,5; maximum 13,6			minimum 2,5; maximum 12,2				

TECHNICAL CHARACTERISTICS

TRIMOTERM INVISIO FTV H AND TRIMOTERM INVISIO FTPi H





PROFILE TYPE	SIDE A	SIDE B
S - profile (s)		•
V - profile (v)		•
Smooth profile (G, g)	•	•
Micro-lined profile (m)	•	

Side A is usually the external side of a panel.

TECHNICAL DATA FTV H		FTV H 50	FTV H 60	FTV H 80	FTV H 100	FTV H 120	FTV H 150	FTV H 200
Panel thickness [mm]		50	60	80	100	120	150	200
Weight FTV H [kg/m²]	Fe0.55/Fe0.5	14,2	15,2	17,2	19,2	21,2	24,2	29,2
Thermal transmittance [W/m²K] (EN 14509)		0,74	0,63	0,48	0,39	0,33	0,26	0,20
Fire resistance (EN14509)		/	EI20	EI60	EI120		EI180	EI240
Combustibility of insulant core (EN 13501 - 1)		Mineral wool Non - combustible, class A1						
Airborne Sound Insulation Rw (C;Ctr) [dB] (EN 14509)		/	30 (-2; -3)	31 (-2; -3)	32 (-1; -3)		32 (-1; -2)	
Cover width [mm]		1000						
Panel length [m]		minimum 1,2; maximum 13,6						

TECHNICAL DATA FTPi H		FTPi H 50	FTPi H 60	FTPi H 80	FTPi H 100	FTPi H 120	FTPi H 150	FTPi H 200
Panel thickness [mm]		50	60	80	100	120	150	200
Weight FTPi H [kg/m²]	Fe0.55/Fe0.5	/	10,7	11,5	12,4	13,3	14,6	16,7
Thermal transmittance [W/m²K] (EN 14509)		/	0,38	0,29	0,23	0,20	0,16	0,12
Airborne Sound Insulation Rw (C;Ctr) [dB] (EN 14509)		24 (-2; -4)			26 (-4; -6)			
Cover width [mm]		1000						
Panel length [m]		minimum 2,5; maximum 13,6			minimum 2,5; maximum 12,2			

ROOF

ROOF PANELS TRIMOTERM SNV AND TRIMOTERM SNPi

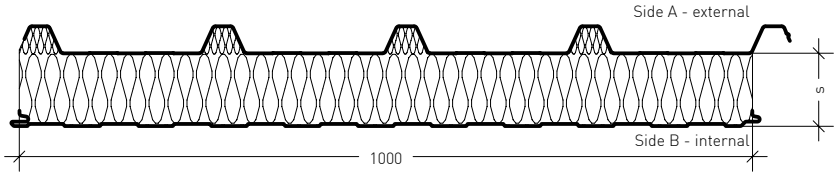
Trimoterm SNV and SNPi fireproof panels are used with additional sealing of longitudinal joints for roof cladding however they can also be used for the wall cladding. Minimum roof slope is 3° with additional sealing of longitudinal joints.

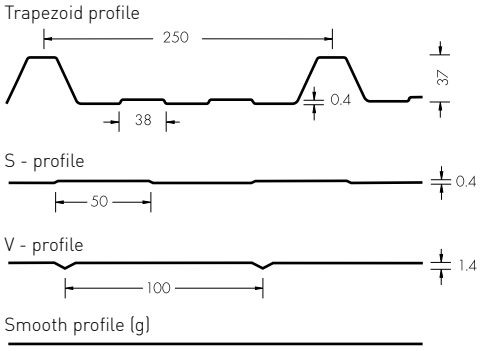
DIMENSIONS OF PANELS

- cover width 1000 mm,
- panel length up to 13,6 m.

TECHNICAL CHARACTERISTICS

TRIMOTERM SNV AND TRIMOTERM SNPi





PROFILE TYPE	SIDE A	SIDE B
Trapezoid profile	•	
S - profile (s)		•
V - profile (v)		•
Smooth profile (g)		•

Side A is usually the external side of a panel.

TECHNICAL DATA SNV	SNV 50	SNV 60	SNV 80	SNV 100	SNV 120	SNV 150	SNV 200	SNV 240
Panel thickness [mm]	50	60	80	100	120	150	200	240
Weight SNV [kg/m^2] Fe0.55/Fe0.5	/	16,3	18,3	20,3	22,3	25,3	30,3	/
Thermal transmittance [W/m^{2}K] (EN 14509)	/	0,64	0,49	0,39	0,33	0,27	0,20	/
Fire resistance (EN 14509)	/	REI30		REI120				/
Combustibility of insulant core (EN 13501 - 1)	Mineral wool Non - combustible, class A1							
Airborne Sound Insulation Rw (C;Ctr) [dB] (EN 14509)	/	32 (-1;-4)		33 (-1; -4)				/
Min. roof slope	5° or 3° with additional sealing							
Cover width [mm]	1000							
Panel length [m]	minimum 2,0; maximum 13,6 (overlap included)							

TECHNICAL DATA SNPi	SNPi 50	SNPi 60	SNPi 80	SNPi 100	SNPi 120	SNPi 150
Panel thickness [mm]	50	60	80	100	120	150
Weight SNPi [kg/m^2] Fe0.5/Fe0.5	11,4	11,8	12,6	13,5	14,4	15,7
Thermal transmittance [W/m^{2}K] (EN 14509)	0,44	0,37	0,28	0,23	0,19	0,15
Fire resistance (EN 14509)	/	/	/	REI30		
Airborne Sound Insulation Rw (C;Ctr) [dB] (EN 14509)	24 (-1; -3)			25 (-2; -4)		
Min. roof slope	5° or 3° with additional sealing					
Cover width [mm]	1000					
Panel length [m]	minimum 2,5; maximum 13,6 (without overlapping) minimum 3,0; maximum 13,6 (with overlapping) minimum 5,0; maximum 13,6 (overlap clean)					

The specifications detailed in the brochure, apply only to panels produced in Serbia.

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