





FIREPROOF Panels Trimoterm

Fireproof panels Trimoterm FTV and SNV are particularly convenient for constructing, where very high demands of fire resistance, sound reduction and thermal insulation are required. They consist of two profiled, galvanized colour coated metal sheets and a structural insulation made of non-combustible laminated mineral wool of class A1 (DIN4102). All three layers are then bonded to form a composite element.



FAÇADE

Façade Panels Trimoterm FTV

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.

Panel Profile

The external and internal lining can be profiled in stepped (s-profile), form of the letter V (v-profile), smooth, micro-lined and multi vario. Standard panel profile is stepped on both, external and internal face (FTV s).

Dimensions of FTV Panels

- cover width:
 - FTV STANDARD panels 1000 and 1200 mm,
 - FTV INVISIO 1000 mm,
 - Non-standard panel widths can be manufactured by special request,
- maximum length up to 14 m.

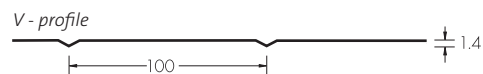
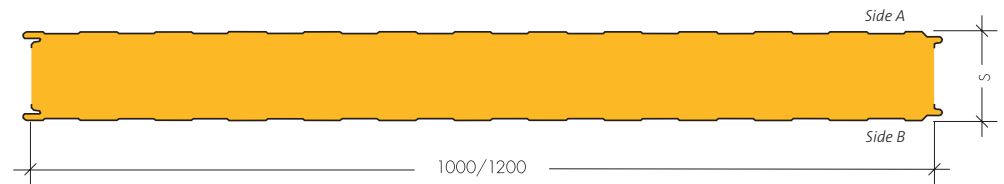
Ancillary Elements

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



Fireproof FAÇADE Panels Trimoterm FTV

Trimoterm FTV STANDARD



Profile type	Side A	Side B
S - profile (s)	•	•
V - profile (v)		•
Smooth profile (G, g)	•	•
Micro-lined profile (m)	•	
Multi vario (X)	•	

Side A is usually the external side of a panel.
Non-standard panel widths can be made by special request.

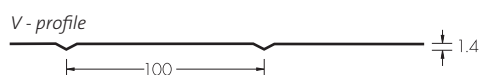
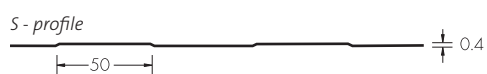
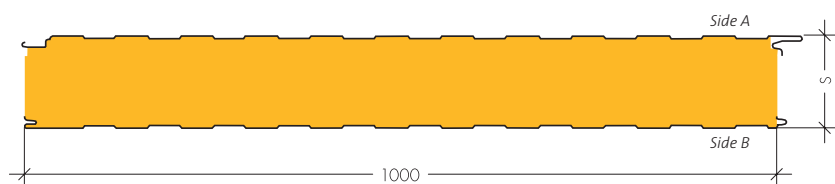
Technical data FTV STANDARD		FTV 50**	FTV 60	FTV 80	FTV 100	FTV 120	FTV 150	FTV 200	FTV 240**
Panel thickness [mm]		50	60	80	100	120	150	200	240
Weight FTV 1000 [kg/m²]	Fe0.6/Fe0.6	16.3	17.5	19.9	22.3	24.7	28.4	34.4	39.2
Weight FTV 1200 [kg/m²]	Fe0.6/Fe0.6	16.1	17.3	19.7	22.1	24.6	28.2	34.2	39.0
U Thermal conductivity [W/m²K] * (DIN 52 611 and DIN 4108)			0.66	0.51	0.42	0.35	0.29	0.22	
Fire resistance class * (acc to EN 1364-1)				EI 60	EI 90	EI 120 →			
Combustibility of insulant core (acc to EN 13501-1)		Non - combustible, class A1							
Rw Sound reduction [dB] * (DIN 52 210)			30	32 →					
Cover width [mm]		1000 and 1200							
Panel length [m]		up to 14							

* Measured on Trimoterm FTV STANDARD 1000 panels. Deviations from value to accommodate the legislation of individual countries are possible.

** At the stage of testing.

Fireproof FAÇADE Panels Trimoterm FTV

Trimoterm FTV INVISIO



Profile type	Side A	Side B
S - profile (s)	•	•
V - profile (v)		•
Smooth profile (G, g)	•	•
Micro-lined profile (m)	•	
Multi vario (X)	•	

Side A is usually the external side of a panel.
Non-standard panel widths can be made by special request.

Technical data FTV INVISIO		FTV H 60	FTV H 80	FTV H 100	FTV H 120	FTV H 150
Panel thickness [mm]		60	80	100	120	150
Weight FTV H [kg/m²]	Fe 0.6 / Fe 0.6	17.8	20.2	25.0	25.0	28.6
U Thermal conductivity [W/m²K] ** (DIN 52 611 and DIN 4108)		0.66	0.51	0.42	0.35	0.29
Fire resistance class * (acc to EN 1364-1)			EI 60	EI 90 →		
Combustibility of insulant core (acc to EN 13501-1)		Non - combustible, class A1				
Rw Sound reduction [dB] ** (DIN 52 210)		30	32 →			
Cover width [mm]		1000				
Panel length [m]		up to 14				

* Fireproofing technical evaluation of Trimoterm FTV and FTV H wall panels in accordance with DIN EN 1364-1; IBMB Braunschweig.

** Values measured on the panels Trimoterm FTV 1000 STANDARD.





ROOF

Trimoterm SNV Roof Panels

Trimoterm SNV fireproof panels are mainly used for roof cladding however they can also be used for the wall cladding. Minimum roof slope is 5° however, if longitudinal joints are additionally sealed the roof slope can be reduced down to 3°.

Panel Profile

The form of external profile is always a trapezoidal while internal liner can be either standard (s-profile), form of the letter V (v - profile) or even smooth (g-profile). The standard profile type is stepped (SNVs).

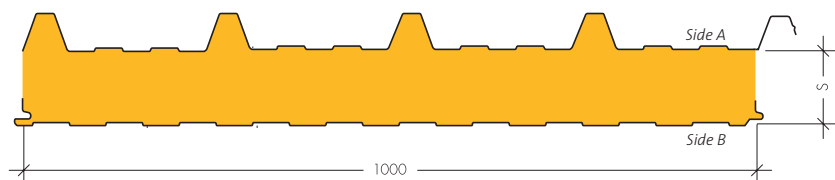
Dimensions of SNV Panels

- cover width 1000 mm,
- panel length up to 14 m.



Fireproof ROOF Panels Trimoterm SNV

Trimoterm SNV



Trapezoid profile



S - profile



V - profile



Smooth profile

Profile type	Side A	Side B
Trapezoid	•	
S - profile (s)		•
V - profile (v)		•
Smooth (g)		•

Technical data SNV		SNV 60	SNV 80	SNV 100	SNV 120	SNV 150	SNV 200
Panel thickness [mm]		60	80	100	120	150	200
Weight SNV [kg/m²]	Fe 0.6 / Fe 0.6	18.9	21.3	23.7	26.1	29.7	35.7
U Thermal conductivity [W/m²K] (acc to DIN 52611 and DIN 4108)		0.61	0.48	0.40	0.34	0.27	0.21
Fire resistance class REI (acc to EN 1365-2)*			REI 60	REI 120 →		REI 150 →	
Combustibility of insulant core (acc to EN 13501-1)		Non - combustible, class A1					
Rw Sound reduction [dB] Fe 0.6 / Fe 0.6			30 →				
Min. roof slope		5° or 3° with additional sealing					
Cover width [mm]		1000					
Panel lenght [m]		up to 14					

* Required control of distances between supports relating to the static system and loading.





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