Trimoterm

New Trimoterm
POWERFUL PANELS
Power

TRIMOTERM FIREPROOF PANELS
PRODUCT RANGE

Mitglied des:
IFBS Industrieverband für Bausysteme im Metallleichtbau

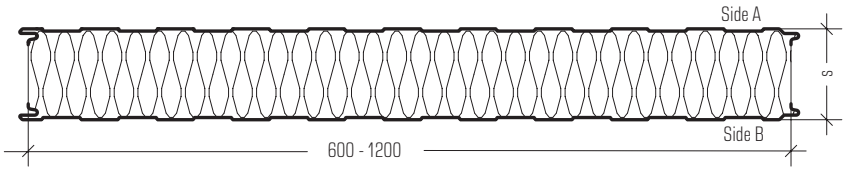
TRIMOTERM FIREPROOF FAÇADE PANELS

Trimoterm FTV

EN 14509

Cert. No. 650a to LPS 1208
Cert. No. 650b to LPS 1181

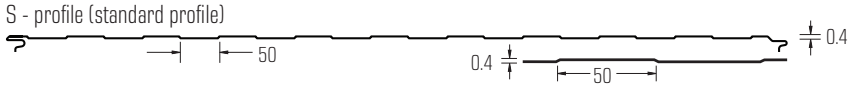
Trimoterm FTV fireproof panels are used for a wide range of external façade cladding, internal partition walls, fire walls and ceilings for either leisure, commercial, industrial, hygenic and other facilities. Panels can be installed in either vertical or horizontal orientation.



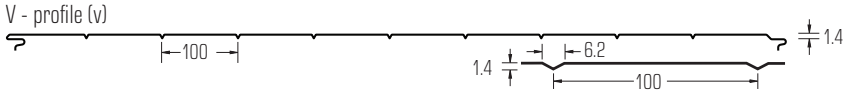
Profile Type	A	B
S - profile (s)	•	•
V - profile (v, v2, v6)	•	•
Smooth profile (G, g)	•	•
Micro-lined profile (m, m3)	•	
Micro-lined profile (m2)		•
Multi vario (X)	•	

Side A is usually the external side of a panel.
Thickness selection for the panels: 50, 60, 80, 100, 120, 133, 150, 172, 200, 240 mm.
Non-standard panel widths can be made by special request.
Panel lengths range up to 14 m.
Profile v6 is only possible on panels width of 1200 mm.
For all other nonstandard module width sizes and profile finish availabilities please contact Trimo.

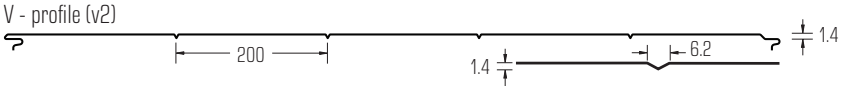
S - profile (standard profile)



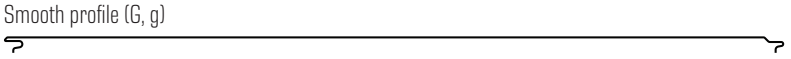
V - profile (v)



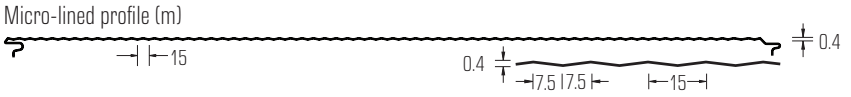
V - profile (v2)



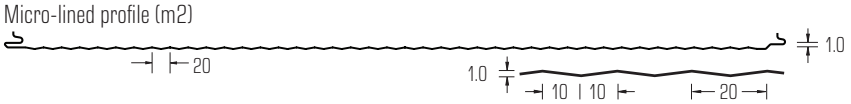
Smooth profile (G, g)



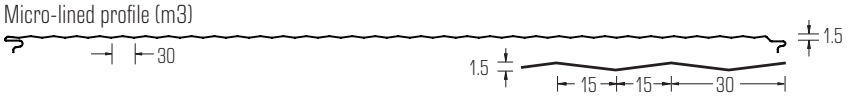
Micro-lined profile (m)



Micro-lined profile (m2)



Micro-lined profile (m3)



Multi vario profile (X01)

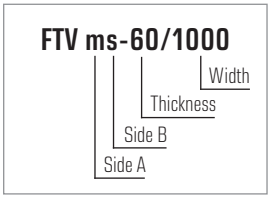
Calculation of allowed spans is made by the **SandStat softwere**.

Trimoterm FTV

Panel thickness [mm]	**50**	**60**	**80**	**100**	**120**	**133**	**150**	**172**	**200**	**240**
EI Fire resistance class (EN 13501-2)	/	EI 30	EI 60	EI 120			EI 180		EI 240	
Combustibility of insulant core (EN 13501-1)	Non - combustible, class A1									
Rw Sound reduction [dB] (EN ISO 10140-3)		30 (-2, -3)	31 (-2, -3)	32 (-1, -3)			32 (-1, -2)			
Cover width [mm]	600 - 1200									
Panel length [m]	up to 14									

Weight FTV [kg/m²]	Fe 0.6/Fe 0.6	16.3	17.5	19.9	22.3	24.7	26.3	28.3	31.0	34.3	39.1
****U Thermal transmittance** [W/m²K] (EN 14509)		0.75	0.64	0.49	0.40	0.33	0.30	0.27	0.24	0.20	0.17
***Typical single spans** [m] △ L △		3.09	3.72	4.36	4.88	5.34	5.59	5.88	6.22	6.57	7.05

An example of panel marking:



Trimoterm Power

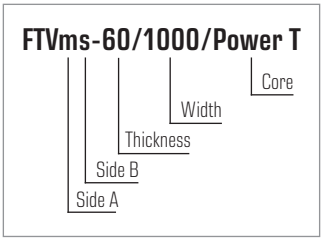
Trimoterm Power is a new range of highly thermal and structural efficient roof and façade panels.
Trimoterm Power brand includes two products:
Trimoterm Power T - panels with higher thermal insulation
Trimoterm Power S - panels with higher structural spanning capabilities

Trimoterm Power T - FTV

Trimoterm Power T are façade panels with higher thermal insulation. They can reach U value down to 0.16 W/m²K, and **up to 10 % higher thermal insulation**.

Panel thickness [mm]		**50**	**60**	**80**	**100**	**120**	**133**	**150**	**172**	**200**	**240**
Weight FTV [kg/m²]	Fe 0.6/Fe 0.6	14.9	15.8	17.6	19.4	21.2	22.3	23.9	25.9	28.4	32.0
****U Thermal transmittance** [W/m²K] (EN 14509)		0.69	0.58	0.45	0.36	0.30	0.28	0.25	0.21	0.19	0.16
***Typical single spans** [m] △ L △		3.46	3.58	4.58	5.29	5.98	6.27	6.60	7.01	7.46	8.03

An example of panel marking:

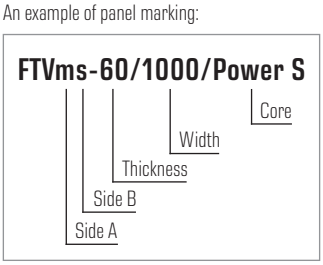


Trimoterm Power S - FTV

Trimoterm Power S are long spanning façade panels, which reduce the need for secondary steel construction. Frame to frame spanning capability is **up to 10 metres**.

Panel thickness [mm]		**50**	**60**	**80**	**100**	**120**	**133**	**150**	**172**	**200**	**240**
Weight FTV [kg/m²]	Fe 0.6/Fe 0.6	16.0	17.1	19.4	21.7	24.0	25.5	27.4	30.0	33.1	37.7
****U Thermal transmittance** [W/m²K] (EN 14509)		0.77	0.65	0.50	0.41	0.34	0.31	0.28	0.24	0.21	0.17
***Typical single spans** [m] △ L △		4.11	4.70	5.65	6.47	7.19	7.54	7.99	8.53	8.94	9.95

An example of panel marking:



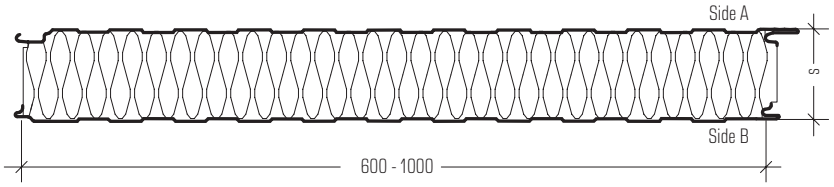
Measured on Trimoterm FTV panels modul 1000 mm.
* These typical spans are based on a wind pressure and suction of 0.9 kN/m², for guidance only. Project specific structural spans to be checked with Trimo technical support.
** Data based on typical MW core. For specific project data refer to Technical CE specification data and contact Trimo Technical Department. Calculated according to EN 14509 standard without consideration of longitudinal joint losses.

Trimoterm Invisio FTV

EN 14509

Cert. No. 650a to LPS 1208

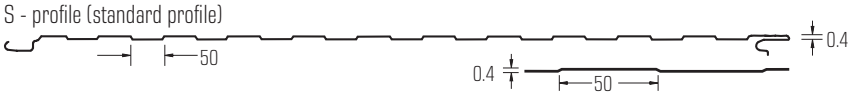
Trimoterm Invisio FTV (FTV HL) fireproof façade panels shows its outrange clean façade outlook with no visible fixings while fixing on intermediate cladding rails is performed through a panel side lap joint by special developed supporting elements. Panels are mainly intended for vertical type of cladding but under certain conditions and limitations can also be used for various horizontal cladding applications.



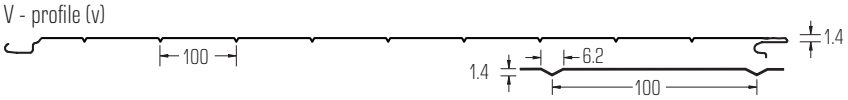
Profile Type	A	B
S - profile (s)	•	•
V - profile (v, v2)	•	•
Smooth profile (G, g)	•	•
Micro-lined profile (m, m3)	•	
Micro-lined profile (m2)		•
Multi vario (X)	•	

Side A is usually the external side of a panel.
Thickness selection for the panels: 50, 60, 80, 100, 120, 133, 150, 172, 200, 240 mm.
Non-standard panel widths can be made by special request.
Panel lengths range up to 14 m.
For all other nonstandard module width sizes and profile finish availabilities please contact Trimo.

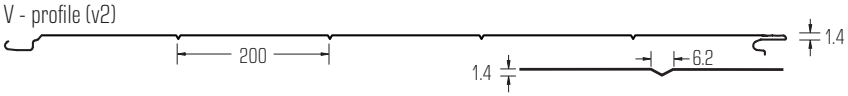
S - profile (standard profile)



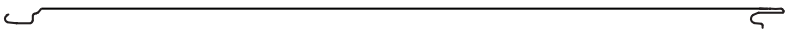
V - profile (v)



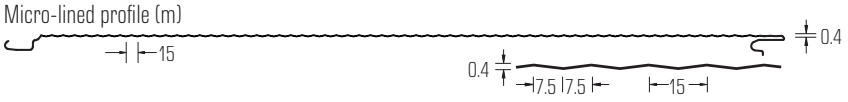
V - profile (v2)



Smooth profile (G, g)

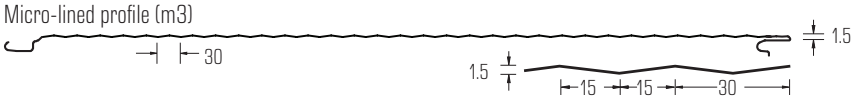


Micro-lined profile (m)

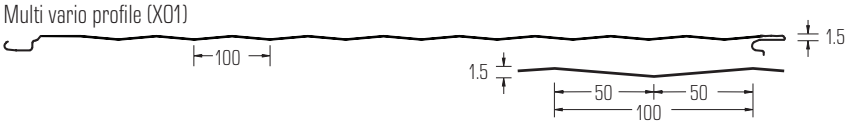


Micro-lined profile (m2)

Micro-lined profile (m3)



Multi vario profile (X01)



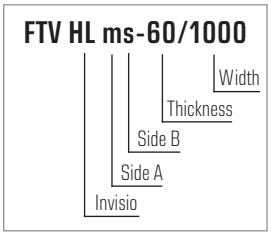
Calculation of allowed spans is made by the **SandStat softwere**.

Trimoterm FTV HL

Panel thickness [mm]	50	60	80	100	120	133	150	172	200	240
EI Fire resistance class (EN 13501-2)	/	EI 30	EI 60	EI 120			EI 180	EI 240		
Combustibility of insulant core (EN 13501-1)	Non - combustible, class A1									
Rw Sound reduction [dB] (EN ISO 10140-3)		30 (-2, 3)	31 (-2, -3)	32 (-1, -3)			32 (-1, -2)			
Cover width [mm]	600 - 1000									
Panel length	up to 14									

Weight FTV HL [kg/m^2]	Fe 0,6/Fe 0,6	16.5	17.7	20.1	22.5	24.9	26.5	28.5	31.2	34.5	39.3
****U Thermal transmittance** [W/m^{2}K] (EN 14509)		0.75	0.64	0.49	0.40	0.33	0.30	0.27	0.24	0.20	0.17

An example of panel marking:



Trimoterm Power

Trimoterm Power is a new range of highly thermal and structural efficient roof and façade panels.
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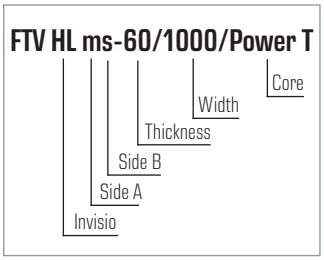
Trimoterm Power T - panels with higher thermal insulation
Trimoterm Power S - panels with higher structural spanning capabilities

Trimoterm Power T - FTV HL

Trimoterm Power T are façade panels with higher thermal insulation. They can reach U value down to 0.16 W/m^{2}K, and **up to 10 % higher thermal insulation**.

Panel thickness [mm]		50	60	80	100	120	133	150	172	200	240
Weight FTV HL [kg/m^2]	Fe 0,6/Fe 0,6	15.1	16.0	17.8	19.6	21.4	22.6	24.1	26.1	28.6	32.2
****U Thermal transmittance** [W/m^{2}K] (EN 14509)		0.69	0.58	0.45	0.36	0.30	0.28	0.25	0.21	0.19	0.16

An example of panel marking:

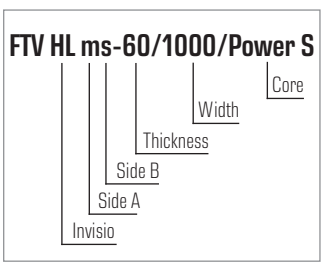


Trimoterm Power S - FTV HL

Trimoterm Power S are long spanning façade panels, which reduce the need for secondary steel construction. Spanning capability is **up to 10 metres**.

Panel thickness [mm]		50	60	80	100	120	133	150	172	200	240
Weight FTV HL [kg/m^2]	Fe 0,6/Fe 0,6	16.2	17.4	19.6	21.9	24.2	25.7	27.6	30.2	33.4	37.9
****U Thermal transmittance** [W/m^{2}K] (EN 14509)		0.77	0.65	0.50	0.41	0.34	0.31	0.28	0.24	0.21	0.17

An example of panel marking:

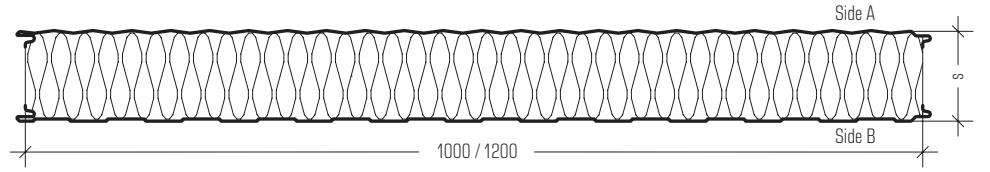


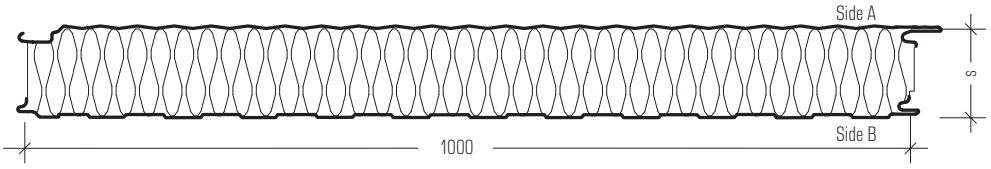
Measured on Trimoterm FTV HL panels modul 1000 mm.
Project specific structural spans to be checked with Trimo technical support.
** Data based on typical MW core. For specific project data refer to Technical CE specification data and contact Trimo Technical Department. Calculated according to EN 14509 standard without consideration of longitudinal joint losses.

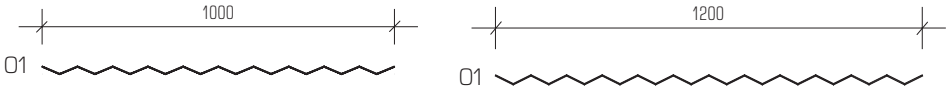
Trimoterm Multivario FTV

CE
EN 14509

The basic model of the Trimoterm Multivario FTV (FTV X) is the enlarged micro profile. For further possibilities of the internal facing see Trimoterm FTV and FTV HL.

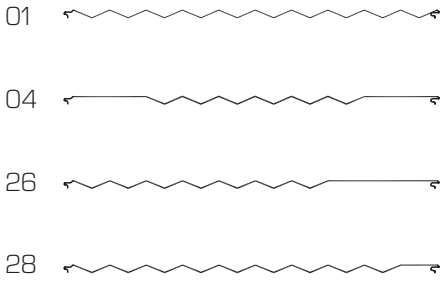




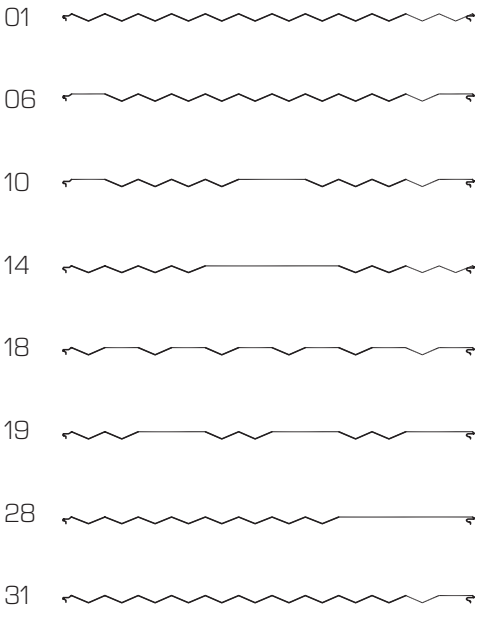


Numerous variations deriving from the basic module are combinations of a flat and ribbed sections throughout the panel surface in intervals of 100 mm. Some of the possibilities are shown below:

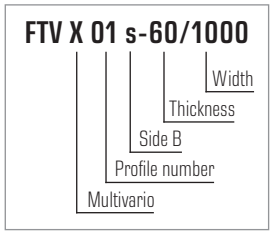
width 1000 mm



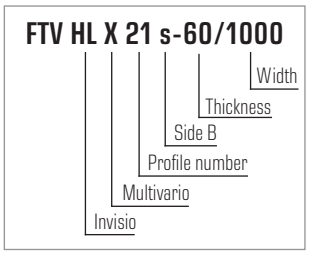
width 1200 mm



An example of panel marking:



An example of panel marking:

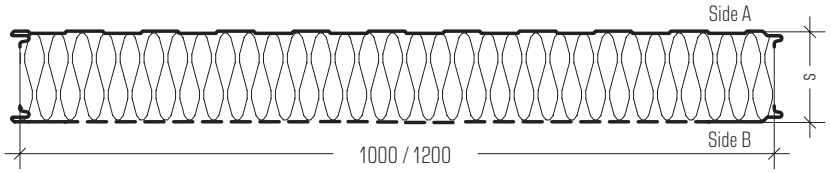


Calculation of allowed spans is made by the **SandStat softwere**.

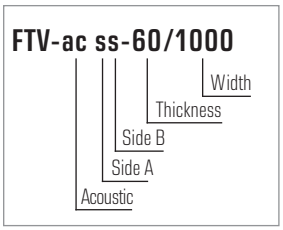
TRIMOTERM ACOUSTIC PANEL

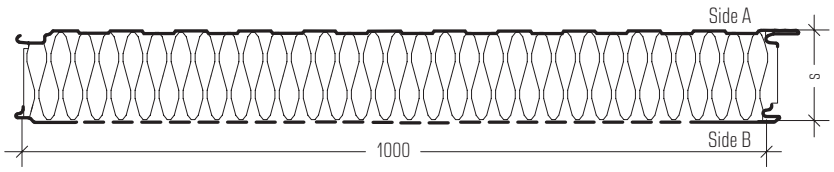
Trimoterm Acoustic

Trimoterm Acoustic panels (FTV-ac, FTV HL-ac, SNV-ac) are used as sound absorbing panels for sound damping in internal applications only. They can be erected as cladding of sound-absorbing cabins, as partition walls and additional cladding on façades and roofs.

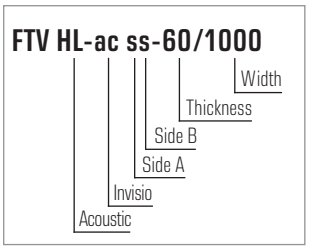


An example of panel marking:

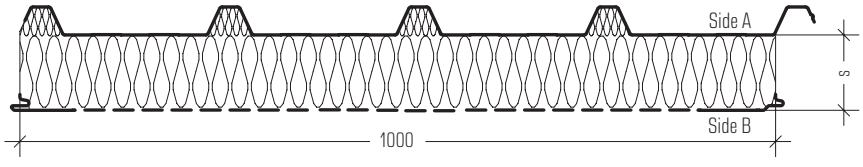




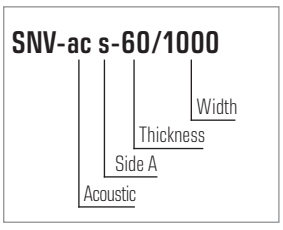
An example of panel marking:



Panel thickness [mm]	**60**	**80**	**100**	**120**	**133**	**150**	**172**	**200**	**240**
Rw Sound reduction [dB] (EN ISO 10140-3)	34 (-2; -4)								
Sound absorption [dB] (EN ISO 354)	8.3								



An example of panel marking:



Panel thickness [mm]	**60**	**80**	**100**	**120**	**150**	**172**	**200**
Rw Sound reduction [dB] (EN ISO 10140-3)	34 (-2; -4)						
Sound absorption [dB] (EN ISO 354)	8.3						

Measured on Trimoterm panels modul 1000 mm.

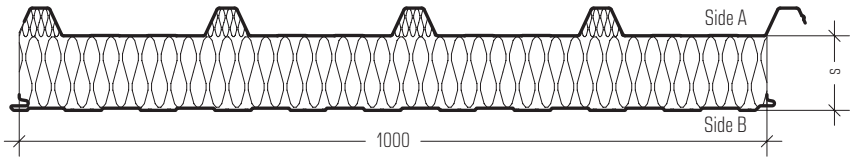
TRIMOTERM FIREPROOF ROOF PANELS

Trimoterm SNV

EN 14509

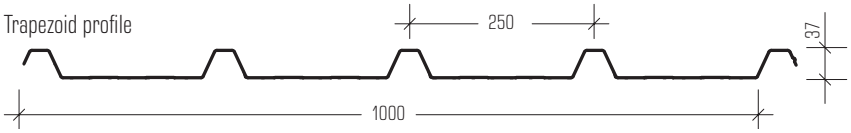
Cert. No. 650a to LPS 1208
Cert. No. 650b to LPS 1181

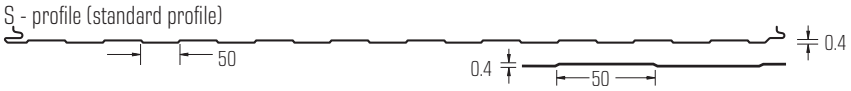
Trimoterm SNV fireproof panels are mainly used with additional sealing of longitudinal joints for roof cladding however they can also be used for the wall clading. Minimum roof slope is 3° with additional sealing of longitudinal joints.

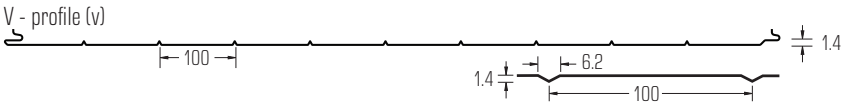


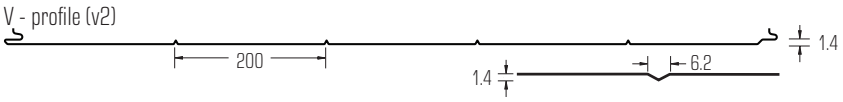
Profile Type	A	B
Trapezoid	•	
S - profile (s)		•
V - profile (v, v2)		•
Smooth profile (g)		•
Micro-lined profile (m2)		•

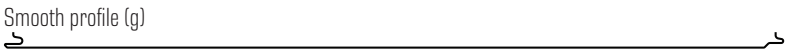
Thickness selection for the panels 60, 80, 100, 120, 150, 172 and 200 mm.
Panel lengths range up to 14 m.

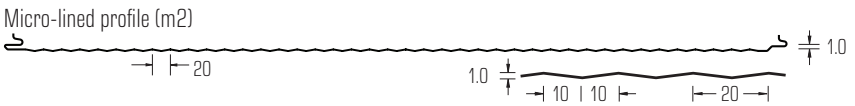












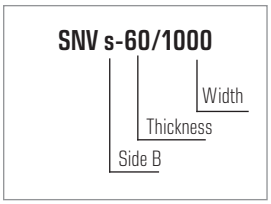
Calculation of allowed spans is made by the **SandStat softwere**.

Trimoterm SNV

Panel thickness [mm]	**60**	**80**	**100**	**120**	**150**	**172**	**200**
Fire resistance class SNV (EN 13501-2)	REI 30	REI 60	REI 120		REI 180		
Combustibility of insulant core (EN 13501-1)	Non - combustible, class A1						
Rw Sound reduction [dB] (EN ISO 10140-3)	32 (-1, -4)		33 (-1, -4)				
Min. roof slope	5° or 3° with additional sealing						
Cover width [mm]	1000						
Panel length [m]	up to 14						

Weight SNV [kg/m^2]	Fe 0.6 / Fe 0.6	18.9	21.3	23.7	26.1	29.7	32.4	35.7
****U Thermal transmittance** [W/m^{2}K] (EN 14509)		0.65	0.50	0.40	0.34	0.27	0.24	0.21

An example of panel marking:



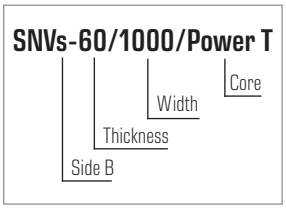
Trimoterm Power T - SNV

up to 11% higher thermal insulation

Trimoterm Power T are roof panels with higher thermal insulation. They can reach U value down to 0.18 W/m^{2}K, and **up to 11 % higher thermal insulation**.

		60	**80**	**100**	**120**	**150**	**172**	**200**
Weight SNV [kg/m^2]	Fe 0.6 / Fe 0.6	17.2	19.0	20.8	22.6	25.3	27.3	29.8
****U Thermal transmittance SNV** [W/m^{2}K] (EN 14509)		0.57	0.44	0.36	0.30	0.24	0.21	0.18

An example of panel marking:

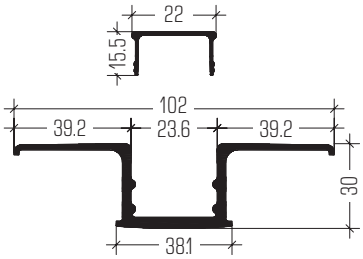


Measured on Trimoterm SNV panels modul 1000 mm.

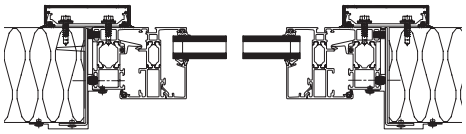
** Data based on typical MW core. For specific project data refer to Technical CE specification data and contact Trimo Technical Department. Calculated according to EN 14509 standard without consideration of longitudinal joint losses.

Decorative and fixing elements for TRIMOTERM façade panels

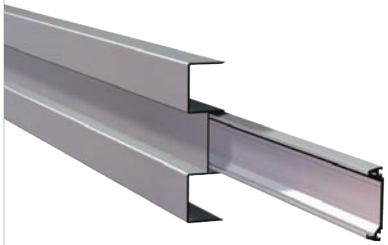
HF 102 - Omega Profile

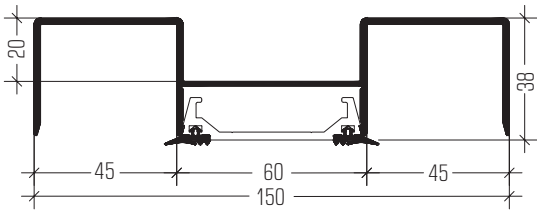


HF5 - Decorative Window Profile

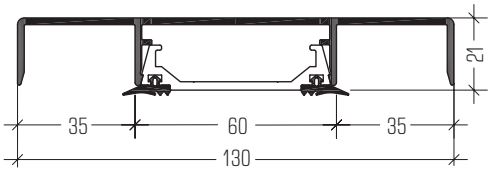


HF6 - Decorative Omega Profile



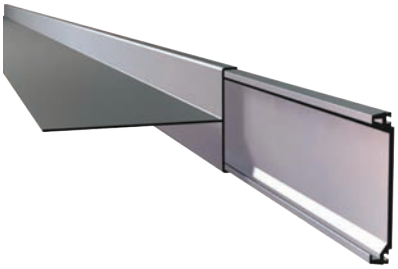


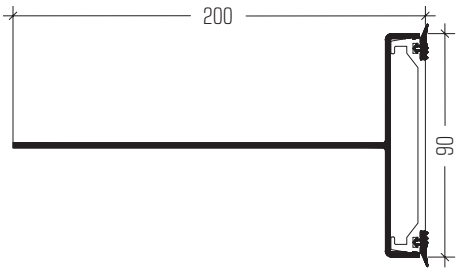
HF4 - Decorative Omega Profile



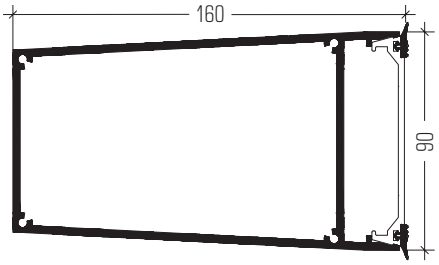
Decorative elements for TRIMOTERM façade panels

HF1 - T Profile

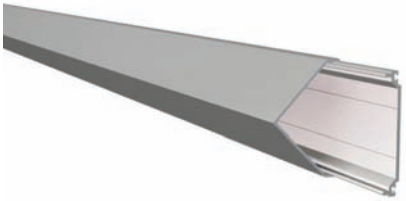


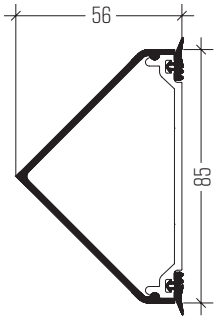


HF2 - Trapezoid Profile

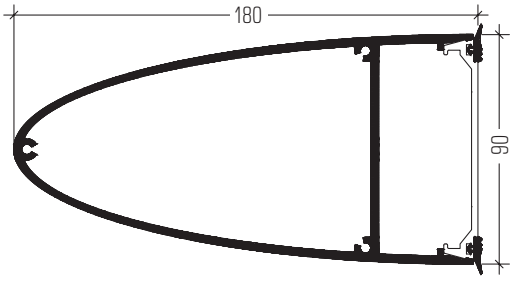


HF7 - Triangular Profile

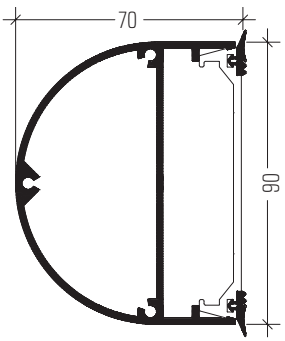




HF8 - Elliptical Profile



HF9 - Semi-circular Profile



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