TRIMO TRIMOTERM

FIREPROOF PANELS TRIMOTERM

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FIREPROOF PANELS TRIMOTERM

The Trimoterm fireproof wall and roof system is a high-quality, versatile and environmentally friendly construction product for use where the highest demands of **fire resistance**, **thermal insulation**, **water and airtightness** are required. It offers the perfect combination of functionality and durability, whilst also delivering true architectural expression.

Available with a complete system of matching components and meeting local-specific requirements and regulations, Trimoterm is suitable for a wide range of **insulated external façade, backing-wall for final cladding and roof cladding, internal walls, fire internal walls, food and hygiene walls and ceilings**.

TOTAL WALL AND ROOF SOLUTION

- ✓ Wide range of profile types and applications
- ✓ Range of ancillary interface items, bespoke solutions, pre-fabricated corners, aluminium extrusions and feature details
- ✓ Versatile stand-alone system or carrier structural wall for final cladding.

MAXIMUM SAFETY

- ✓ Class A1 non-combustible mineral wool insulation core
- ✓ Exceptional fire resistance up to class EI 240 minutes of integrity and insulation
- ✓ Advanced thermal and sound insulation and structural spanning performance
- ✓ Extremely high level of airtightness and watertightness

Product range:

Trimoterm Power
Façade and roof system with supreme thermal insulation and structural spanning capabilities

Trimoterm Perform
Versatile, robust and compact façade and roof system

Trimoterm Sound
Façade system with exceptional protection against noise hazards

TRIMOTERM POWER

- ✓ Supreme thermal insulation
- ✓ Structural superiority
- ✓ Up to 100% faster installation
- ✓ Cost and energy savings
- ✓ Stable indoor climate and air quality

TRIMOTERM POWER T

Trimoterm Power T façade and roof system guarantees extremely high thermal insulation, stable indoor climate, air quality and energy savings through reduced heat loss and lower running costs even in most demanding climate environments.

TECHNICAL PROPERTIES

FAÇADE PANELS

Panel thickness (mm)	60	80	100	120	133	150	172	200	240	250*
Weight FTV (Fe 0,55/0,5) (kg/m²)	14,40	16,20	18,00	19,80	21,00	22,50	24,50	27,00	30,60	31,50
Weight FTV HL (Fe 0,55/0,5) (kg/m²)	14,60	16,40	18,20	20,00	21,20	22,70	24,70	27,20	30,80	31,70
Max. achievable fire resistance FTV (EN 14509)**	-		up to EI90	up to EI120		up to EI180				
Max. achievable fire resistance FTV HL (EN 14509)**	-	up to EI30	up to EI60	up to EI120		up to EI180	up to EI240			
U Thermal transmittance (W/m²K)***	0,60	0,46	0,37	0,31	0,28	0,25	0,22	0,19	0,16	0,15
Airborne sound insulation FTV Rw (C;Ctr) dB (EN 14509)	30 (-2;-4)		31 (-3;-4)							
Airborne sound insulation FTV HL Rw (C;Ctr) dB (EN 14509)	30 (-1;-3)		31 (-2;-4)							
Combustibility of material core (EN 13501-1)	Mineral wool non combustible Class A1									
Water permeability (EN 14509)	Class A (1200Pa)									

CE EN 14509 LPCB Cert. No. 650a to LPS 1208 Cert. No. 650b to LPS 1181 Cert. No. 650d to LPS 1181 FM APPROVED

ROOF PANELS

Panel thickness (mm)	60	80	100	120	150	172	200	220 on request	240 on request
Weight SNV (Fe 0,55/0,5) (kg/m²)	15,70	17,50	19,30	21,10	23,90	25,90	28,40	30,20	32,00
Max. achievable fire resistance SNV (EN 14509)**	-	up to REI30	up to REI120						
U Thermal transmittance (W/m²K)***	0,59	0,45	0,37	0,31	0,25	0,22	0,19	0,17	0,16
Airborne sound insulation Rw (C;Ctr) dB (EN 14509)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Combustibility of material core (EN 13501-1)	Mineral wool non combustible Class A1								
Water permeability (EN 14509)	Class B (900Pa)								

CE EN 14509 LPCB Cert. No. 650a to LPS 1208 Cert. No. 650b to LPS 1181 FM APPROVED

* FOR FRENCH OR GERMAN MARKET CONSULT TRIMO'S TECHNICAL SUPPORT TO COMPLY WITH REGIONAL LEGISLATION.
** REQUEST FOR FIRE RESISTANCE MUST BE CLEARLY SPECIFIED BY CUSTOMER.
EXACT FIRE RATING WITH REGARDS TO SYSTEM, ORIENTATION AND SPAN CAN BE FOUND UNDER THE CERTIFICATION SUBPAGE ON TRIMO WEB PAGE: https://www.trimo-group.com/en/downloads/certificates-and-data-sheets/certificates.
*** VALUES VALID FOR FEATURED APPLICATION IN THE CENTRE OF PANEL.

TRIMOTERM POWER S

Trimoterm Power S façade system ensures higher structural spanning capabilities, while also achieving superior strength that is capable of withstanding high wind loads. Trimoterm Power S also enables up to 100% faster installation and durable performance.

TECHNICAL PROPERTIES

FAÇADE PANELS

Panel thickness (mm)	50	60	80	100	120	133	150	172	200	240
Weight FTV (Fe 0,55/0,5) (kg/m²)	16,10	17,30	19,70	22,10	24,50	26,10	28,10	30,80	34,20	39,00
Weight FTV HL (Fe 0,55/0,5) (kg/m²)	16,30	17,50	20,00	22,40	24,80	26,30	28,40	31,10	34,40	39,20
Max. achievable fire resistance FTV (EN 14509)**	-	up to EI 30	up to EI60	up to EI120			up to EI180			
Max. achievable fire resistance FTV HL (EN 14509)**	-	up to EI 30	up to EI60	up to EI120			up to EI180	up to EI240		
U Thermal transmittance (W/m²K)***	0,77	0,65	0,50	0,41	0,34	0,31	0,28	0,24	0,21	0,17
Airborne sound insulation FTV Rw (C;Ctr) dB (EN 14509)	N/A	31 (-2;-3)		32 (-2;-4)						
Airborne sound insulation FTV HL Rw (C;Ctr) dB (EN 14509)	N/A	31 (-1;-3)		31 (-2;-4)						
Combustibility of material core (EN 13501-1)	Mineral wool non combustible Class A1									
Water permeability (EN 14509)	Class A (1200Pa)									

CE EN 14509

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

FM APPROVED

SBSC CERTIFIED PRODUCT

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TRIMOTERM PERFORM

- ✓ Supreme performance
- ✓ Versatile applications
- ✓ Long-life
- ✓ Special project requirements fulfilment

TRIMOTERM PERFORM R

Trimoterm Perform R is a high-quality façade and roof system that can be fitted to any building and is suitable for internal and external applications.

TECHNICAL PROPERTIES

FAÇADE PANELS

Panel thickness (mm)	60	80	100	120	133	150	172	200	240
Weight FTV (Fe 0,55/0,5) (kg/m^2)	15,00	17,00	19,00	21,00	22,30	24,00	26,20	29,00	33,00
Weight FTV HL (Fe 0,55/0,5) (kg/m^2)	15,20	17,20	19,20	21,20	22,50	24,20	26,40	29,20	33,20
Max. achievable fire resistance FTV (EN 14509)**	-	up to EI30	up to EI120			up to EI180		up to EI240	
Max. achievable fire resistance FTV HL (EN 14509)**	-	up to EI60	up to EI120			up to EI180	up to EI240		
U Thermal transmittance (W/m^{2}K)***	0,63	0,48	0,39	0,33	0,30	0,26	0,23	0,20	0,17
Airborne sound insulation FTV Rw (C;Ctr) dB (EN 14509)	30 (-2;-4)		31 (-3;-4)						
Airborne sound insulation FTV HL Rw (C;Ctr) dB (EN 14509)	30 (-1;-3)		31 (-2;-4)						
Combustibility of material core (EN 13501-1)	Mineral wool non combustible Class A1								
Water permeability (EN 14509)	Class A (1200Pa)								

CE EN 14509 LPCB Cert. No. 650a to LPS 1208
Cert. No. 650b to LPS 1181
Cert. No. 650d to LPS 1181

ROOF PANELS

Panel thickness mm	60	80	100	120	150	172	200
Weight SNV (Fe 0,55/0,5) (kg/m^2)	16,30	18,30	20,30	22,30	25,30	27,60	30,30
Max. achievable fire resistance SNV (EN 14509)**	-	up to REI30	up to REI120				
U Thermal transmittance (W/m^{2}K)***	0,62	0,47	0,39	0,32	0,26	0,23	0,20
Airborne sound insulation Rw (C;Ctr) dB (EN 14509)	32 (-1;-4)****		33 (-1;-4)****				
Combustibility of material core (EN 13501-1)	Mineral wool non combustible Class A1						
Water permeability (EN 14509)	Class B (900Pa)						

CE EN 14509 LPCB Cert. No. 650a to LPS 1208
Cert. No. 650b to LPS 1181

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*** VALUES VALID FOR FEATURED APPLICATION IN THE CENTRE OF PANEL.
**** ACCORDING TO EN ISO 140-3 AND EN ISO 354

TRIMOTERM PERFORM C

Trimoterm Perform C is versatile, robust and compact façade and roof system where building safety and longevity are paramount. Furthermore, Trimoterm Perform C is made of carefully selected materials to meet highest national demands of different markets.

TECHNICAL PROPERTIES

FAÇADE PANELS

Panel thickness (mm)	50	60	80	100	120	133	150	172	200	240
Weight FTV (Fe 0,55/0,5) (kg/m²)	14,90	16,10	18,50	20,90	23,30	24,90	27,00	29,70	33,00	37,80
Weight FTV HL (Fe 0,55/0,5) (kg/m²)	15,10	16,30	18,70	21,10	23,50	25,10	27,10	29,80	33,20	38,00
Max. achievable fire resistance FTV (EN 14509)**	-	up to EI30	up to EI60	up to EI120			up to EI180		up to EI240	
Max. achievable fire resistance FTV HL (EN 14509)**	N/A	up to EI30	up to EI60	up to EI120			up to EI180	up to EI240		
U Thermal transmittance (W/m²K)***	0,75	0,64	0,49	0,40	0,33	0,30	0,27	0,24	0,20	0,17
Airborne sound insulation FTV Rw (C;Ctr) dB (EN 14509)	N/A	31 (-2;-3)		32 (-2;-4)						
Airborne sound insulation FTV HL Rw (C;Ctr) dB (EN 14509)	N/A	31 (-1;-3)		31 (-3;-4)						
Combustibility of material core (EN 13501-1)	Mineral wool non combustible Class A1									
Water permeability (EN 14509)	Class A (1200Pa)									

CE EN 14509 LPCB Cert. No. 650a to LPS 1208 Cert. No. 650b to LPS 1181 Cert. No. 650d to LPS 1181 FM APPROVED SBSC

ROOF PANELS

Panel thickness (mm)	60	80	100	120	150	172	200
Weight SNV (Fe 0,55/0,5) (kg/m²)	17,50	19,90	22,30	24,70	28,30	31,00	34,30
Max. achievable fire resistance SNV (EN 14509)**	-	up to REI60	up to REI120		up to REI180		
U Thermal transmittance (W/m²K)***	0,63	0,48	0,40	0,33	0,27	0,24	0,20
Rw Airborne sound insulation (C;Ctr) dB (EN 14509)	32 (-1;-4)****		32 (-2;-4)				
Combustibility of insulant core (EN 13501-1)	Mineral wool non combustible Class A1						
Water permeability (EN 14509)	Class B (900Pa)						

CE EN 14509 LPCB Cert. No. 650a to LPS 1208 Cert. No. 650b to LPS 1181 FM APPROVED SBSC

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**** ACCORDING TO EN ISO 140-3 AND EN ISO 354

TRIMOTERM SOUND

- ✓ Excellent sound absorption
- ✓ Pleasant living and working environment
- ✓ Meets the highest sound insulation requirements
- ✓ Simple and fast installation

TRIMOTERM SOUND

Trimoterm Sound panels offer exceptional protection against noise hazards as well as contributing to the well-being of everyone within the surrounding environment. In addition to the standard characteristics of the Trimoterm panels, acoustic panels also have excellent sound-absorbing characteristics.

TECHNICAL PROPERTIES

FAÇADE PANELS

Panel thickness (mm)	60	80	100	120	133	150	172	200	240
Airborne sound insulation Rw (C;Ctr) (dB) EN 14509 ****	30 (-2; -3)	31 (-2; -3)	32 (-1; -3)			32 (-1; -2)			

Technical properties of the panels are defined in technical specifications of Trimoterm Perform R.

ROOF PANELS

Panel thickness (mm)	60	80	100	120	150	172	200
Airborne sound insulation Rw (C;Ctr) (dB) EN 14509 ****	32 (-1; -4)		33 (-1; -4)				

Technical properties of the panels are defined in technical specifications of Trimoterm Perform R.

**** ACCORDING TO EN ISO 140-3 AND EN ISO 354

TYPES OF TRIMOTERM PANELS AND PANEL PROFILES

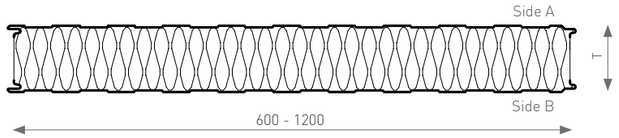
The Trimoterm façade system is enhanced by the availability of different panel types for walls and roofs with standard or hidden joints. Numerous panel profiles are also available extending its applications and design possibilities to meet the individual needs of every architectural project.

TYPES OF TRIMOTERM PANELS

The availability of the widest range of Trimoterm panels makes possible the most aesthetic architectural creations, whilst its excellent technical characteristics, facilitate true creative freedom for customised building design for any type of building.

TRIMOTERM FTV (STANDARD FIXING)

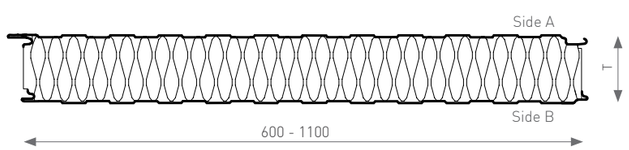
The standard fixing system Trimoterm FTV represents the visible fixing method of Trimoterm panels and is suitable for the horizontal, vertical and segmental curved installation of panels.



Panel lengths range up to 14 m.
Standard panel widths are 1000, 1100, 1150 and 1200 mm.
Non-standard panel widths can be made by special request.

TRIMOTERM FTV HL (HIDDEN FIXING)

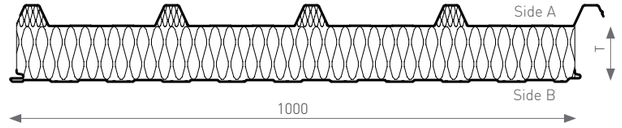
The hidden fixing system Trimoterm FTV HL offers a clean façade appearance with no visible fixings. Trimoterm panels with a hidden joint are mainly intended for vertical installation, but under certain conditions, can also be used for horizontal installations.



Panel lengths range up to 14 m.
Standard panel widths are 1000 and 1100 mm.
Non-standard panel widths can be made by special request.

TRIMOTERM SNV

Trimoterm fireproof roof panels are the perfect solution for roofs with inclines. Due to the excellent technical characteristics and complete range of technical solutions and elements, Trimoterm roofing systems enable active and creative adaptations to all demands on buildings. Their versatility makes them suitable for installation as façades, partition walls and ceilings.

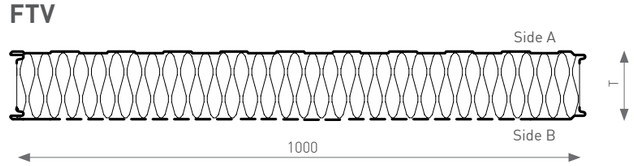


Panel lengths range up to 14 m.
Standard panel width is 1000 mm.

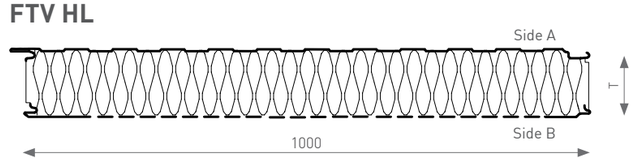
TRIMOTERM SOUND

Trimoterm sound panels 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.

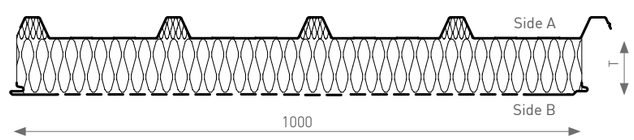
FTV



FTV HL



SNV

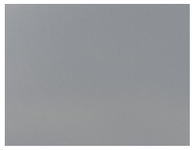


Panel lengths range up to 14 m.
Standard panel width is 1000 mm.

TRIMOTERM PANEL PROFILES

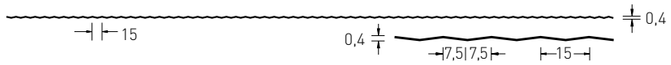
Achieving compelling visual effects with different profile types of Trimoterm panels is easy. Design requirements of any projects can be met with a vast array of different panel profiles.

PROFILE TYPES

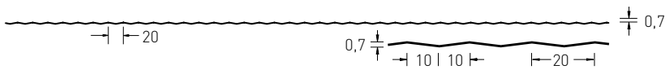


SMOOTH PROFILE (G)

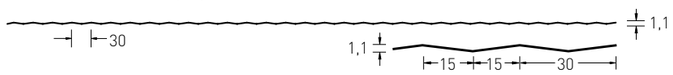
MICRO-LINED PROFILE (M)



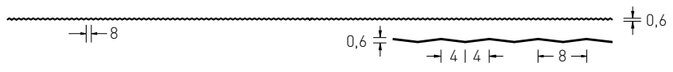
MICRO-LINED PROFILE (M2)



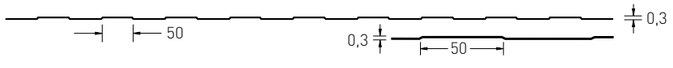
MICRO-LINED PROFILE (M3)



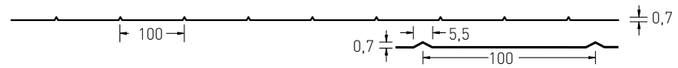
MICRO-LINED PROFILE (M8)



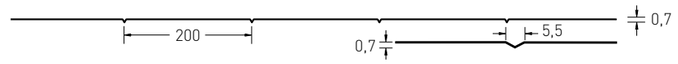
S - PROFILE (S)



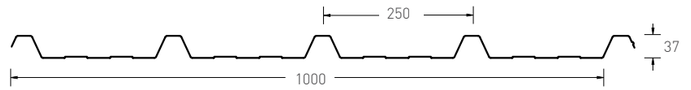
V - PROFILE (V)



V - PROFILE (V2)



TRAPEZOID PROFILE



FAÇADE PANELS (FTV)

PROFILE TYPE	A	B
S - profile (S)	✓	✓
V - profile (V, V2)	✓	✓
Smooth profile (G)	✓	✓
Micro-lined profile (M, M3, M8)	✓	✓
Micro-lined profile (M2)		✓
S - profile (perforated)		✓

FAÇADE PANELS (FTV HL)

PROFILE TYPE	A	B
S - profile (S)	✓	✓
V - profiel (V, V2)	✓	✓
Smooth profile (G)	✓	✓
Micro-lined profile (M, M3, M8)	✓	
Micro-lined profile (M2)		✓
S - profile (perforated)		✓

ROOF PANELS (SNV)

PROFILE TYPE	A	B
Trapezoid profile	✓	
S - profile (S)		✓
V - profile (V)		✓
Smooth profile (G)		✓
Micro-lined profile (M2)		✓
S - profile (perforated)		✓

External side of a panel is side A and internal side of panel side B.
Also, additional options and variations of "V" profiles are available upon request.
Smooth profile (G) can be used either for external or internal side of the panel. To ensure an optimal smooth surface for building façades external side of the panel 0,7 mm steel sheet thickness must be used in lieu of standard 0,55 mm.
Some combinations are mutually exclusive depending on the type of profile and product.
For the approval of the requested profile combination please contact Trimo's technical support team.

Panel marking (Trimoterm Perform R FTV-60/1000 MS)

Trimoterm Perform R	FTV	60	1000	M	S
insulation structural	panel type	thickness	module	A side	B side

FIXING AND DECORATIVE ELEMENTS FOR TRIMOTERM FAÇADE PANELS

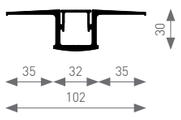
An extensive selection of different panel and profile types combined with various decorative elements results in almost limitless design possibilities for any building type.

FIXING AND DECORATIVE ELEMENTS FOR TRIMOTERM FAÇADE PANELS

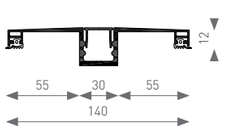
Trimo decorative elements emphasise the selected façade line, cover visible panel joints and give the building a touch of superior attractiveness. You can choose from numerous different versions, manufactured from thin sheet metal and extruded and dyed aluminium, respectively.

FIXING PROFILES

HF 102 - OMEGA PROFILE

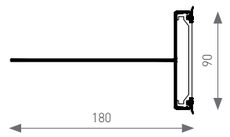


HF140 - OMEGA PROFILE

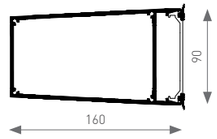


DECORATIVE ELEMENTS

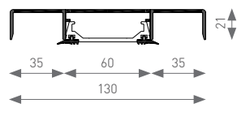
HF1 - T DECORATIVE ELEMENT



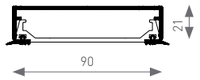
HF2 - TRAPEZOID DECORATIVE ELEMENT



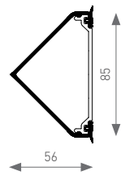
HF4 - DECORATIVE OMEGA ELEMENT



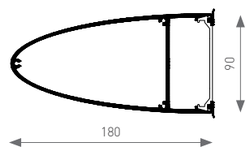
HF5 - DECORATIVE WINDOW ELEMENT



HF7 - TRIANGULAR DECORATIVE ELEMENT



HF8 - ELLIPTICAL DECORATIVE ELEMENT



COMPANY PROFILE

Trimo is a one of the leading European companies developing original and complete building envelope solutions in the areas of fire-proof façades and roofs .

Located in Trebnje, Slovenia, Trimo sells products and services under its own brand cross more than 100 countries worldwide and has a sales network in almost 30 countries. We are a reliable, trustworthy global supplier of innovative, flexible, energy-efficient and environmentally friendly architectural building solutions.

Our customers are at the heart of our operations as we deeply understand their needs and provide them with the highest level of service and product quality. The list of outstanding and reputable partners such as Airbus, London Heathrow, Nestle, Philips, DHL, Porsche, IKEA, Prologis, Mercedes Benz, Coca Cola and many others is a true reflection of our passion, responsibility and committment to our work.

ISO 9001
ISO 14001
ISO 45001
BUREAU VERITAS
Certification

Mitglied des:
IFBS Industrieverband für Bausysteme im Metallleichtbau

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Published by: TRIMO d.o.o., EN, 11/2026