

TRI MO TRIMOTERM

m 59
ÜZLETTİ PARK

TRIMOTERM FIREPROOF PANELS

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TRIMOTERM FIREPROOF PANELS

The Trimoterm fireproof façade and roof system is a high quality, versatile and environmentally friendly construction product where the highest demands of fire resistance, sound reduction and thermal insulation are required. It offers the perfect combination of functionality and durability, whilst also supporting true architectural expression.

Available with a complete system of matching components and meeting country-specific requirements and regulations Trimoterm is suitable for wide range of **external façade** and **roof cladding**, internal **partition walls**, **fire walls** and **ceilings**. With strong **fire resistance**, excellent **thermal** and **sound insulation**, as well as excellent **hygienic characteristics**, Trimoterm panels can also be successfully used in the most demanding environments, such as in the energy production and food-processing sectors as well as in the pharmaceutical industry.

Advantages:

- ✓ Outstanding quality
- ✓ Strong fire resistance up to 240 min
- ✓ Excellent thermal and sound isolation
- ✓ Market leading water resistance and air tightness performance
- ✓ The highest rating A+ according to BREEAM
- ✓ Top structural performance
- ✓ Design flexibility
- ✓ Worldwide realised projects and certificates
- ✓ Excellent customer service

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	50	60	80	100	120	133	150	172	200	240
Mass kg/m ² FTV	13,50	14,40	16,20	18,00	19,80	21,00	22,50	24,50	27,00	30,60
Mass kg/m ² FTV HL	13,70	14,60	16,40	18,20	20,00	21,20	22,70	24,70	27,20	30,80
EI Fire resistance FTV (EN 14509)	N/A	N/A	EI60		EI120			EI180		
EI Fire resistance FTV HL (EN 14509)	N/A	EI20	EI60		EI120		EI180		EI240	
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
Rw Airborne sound insulation (C;Ctr) dB (EN 14509)	N/A	N/A	N/A	N/A			30 [-1;-3]			
Combustibility of insulant core (EN 13501-1)	Non - combustible, class A1									
Water permeability (EN 14509)	Class A (1200Pa)									



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



Environmental Profiles Scheme
ENPS16

ROOF PANELS

Panel thickness mm	60	80	100	120	150	172	200
Mass kg/m ² SNV	15,70	17,50	19,30	21,10	23,90	25,90	28,40
REI Fire resistance (EN 14509)	REI30		REI120				
U Thermal transmittance W/m ² k (EN 14509)	0,58	0,44	0,36	0,30	0,24	0,21	0,18
Rw Airborne sound insulation (C;Ctr) dB (EN 14509)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Combustibility of insulant core (EN 13501-1)	Non - combustible, class A1						
Water permeability (EN 14509)	Class B (900Pa)						



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



Environmental Profiles Scheme
ENPS16

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
Mass kg/m² FTV	14,60	15,80	18,10	20,40	22,60	24,10	26,10	28,60	31,80	36,30
Mass kg/m² FTV HL	14,80	16,00	18,30	20,50	22,80	24,30	26,30	28,80	32,00	36,50
EI Fire resistance FTV (EN 14509)	N/A	EI30	EI60	EI120			EI180		EI240	
EI Fire resistance FTV HL (EN 14509)	N/A	EI30	EI60	EI120			EI180		EI240	
U Thermal transmittance W/m²k (EN 14509)	0,77	0,66	0,50	0,41	0,34	0,31	0,28	0,24	0,21	0,17
Rw Airborne sound insulation (C;Ctr) dB (EN 14509)	N/A	30 [-2;-3]	31 [-2;-3]	32 [-1;-3]			32 [-1;-2]			
Combustibility of insulant core (EN 13501-1)	Non - combustible, class A1									
Water permeability (EN 14509)	Class A (1200Pa)									



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





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 almost any building and is suitable for internal and external applications.

TECHNICAL PROPERTIES

FAÇADE PANELS

Panel thickness mm	50	60	80	100	120	133	150	172	200	240
Mass kg/m² FTV	14,00	15,00	17,00	19,00	21,00	22,30	24,00	26,20	29,00	33,00
Mass kg/m² FTV HL	14,20	15,20	17,20	19,20	21,20	22,50	24,20	26,40	29,20	33,20
EI Fire resistance FTV (EN 14509)	N/A	N/A	EI60	EI120			EI180			
EI Fire resistance FTV HL (EN 14509)	N/A	EI20	EI60	EI120			EI180	EI240		
U Thermal transmittance W/m²k (EN 14509)	0,74	0,63	0,48	0,39	0,33	0,30	0,26	0,23	0,20	0,17
Rw Airborne sound insulation (C;Ctr) dB (EN 14509)	N/A	30 [-2;-3]	31 [-2;-3]	32 [-1;-3]			32 [-1;-2]			
Combustibility of insulant core (EN 13501-1)	Non - combustible, class A1									
Water permeability (EN 14509)	Class A (1200Pa)									



EN 14509



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
Mass kg/m² SNV	16,30	18,30	20,30	22,30	25,30	27,60	30,30
REI Fire resistance (EN 14509)	REI30		REI120				
U Thermal transmittance W/m²k (EN 14509)	0,64	0,49	0,39	0,33	0,27	0,23	0,20
Rw Airborne sound insulation (C;Ctr) dB (EN 14509)	32 (-1;-4)		33 (-1;-4)				
Combustibility of insulant core (EN 13501-1)	Non - combustible, class A1						
Water permeability (EN 14509)	Class B (900Pa)						



EN 14509



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

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
Mass kg/m² FTV	14,90	16,10	18,50	20,90	23,30	24,90	27,00	29,70	33,00	37,80
Mass kg/m² FTV HL	15,10	16,30	18,70	21,10	23,50	25,10	27,10	29,80	33,20	38,00
EI Fire resistance FTV (EN 14509)	N/A	EI30	EI60	EI120			EI180		EI240	
EI Fire resistance FTV HL (EN 14509)	N/A	EI20	EI60	EI120			EI180		EI240	
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
Rw Airborne sound insulation (C;Ctr) dB (EN 14509)	N/A	30 [-2;-3]	31 [-2;-3]	32 [-1;-3]			32 [-1;-2]			
Combustibility of insulant core (EN 13501-1)	Non - combustible, class A1									
Water permeability (EN 14509)	Class A (1200Pa)									



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
Mass kg/m² SNV	17,50	19,90	22,30	24,70	28,30	31,00	34,30
REI Fire resistance (EN 14509)	REI30	REI60	REI120		REI180		
U Thermal transmittance W/m²k (EN 14509)	0,65	0,50	0,40	0,34	0,27	0,24	0,21
Rw Airborne sound insulation (C;Ctr) dB (EN 14509)	32 (-1; -4)		33 (-1; -4)				
Combustibility of insulant core (EN 13501-1)	Non - combustible, class A1						
Water permeability (EN 14509)	Class B (900Pa)						



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





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. Trimoterm Sound panel's excellent sound absorbing characteristics are in addition to the standard characteristics of the Trimoterm panels. A single-sided perforated structure enables sound absorption of $DL_a = 8\text{dB}$ and sound insulation of 34 dB for the panel.

TECHNICAL PROPERTIES

FAÇADE PANELS

Panel thickness mm	60	80	100	120	150	133	172	200	240
Rw Sound reduction dB (EN ISO 10140-3)	34 (-2; -4)								
Sound absorption dB (EN ISO 354)	8,30								

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

ROOF PANELS

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)	8,30						

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





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.

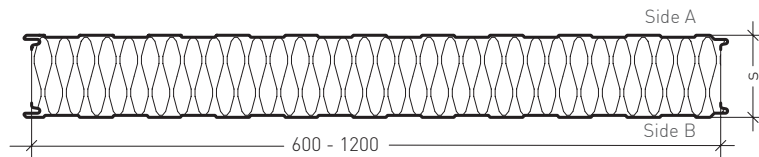
TYPES OF TRIMOTERM PANELS

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 FAÇADE PANELS WITH STANDARD JOINT (FTV)



The standard joint system (FTV) represents the basic fixing method of Trimoterm panels and is suitable for horizontal, vertical and segmental installation of panels.



Panel lengths range up to 14 m.

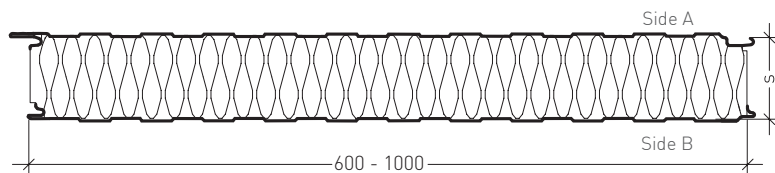
Standard panel widths are 1000 and 1200 mm.

Non-standard panel widths can be made by special request.

TRIMOTERM FAÇADE PANELS WITH HIDDEN JOINT (FTV HL)



The hidden joint system (FTV HL) offers a clean façade outlook with no visible fixings. Trimoterm panels with hidden joint are mainly intended for vertical installation, but under certain conditions and with limitations, can also be used for various horizontal cladding applications.

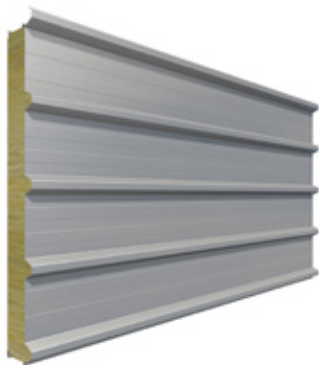


Panel lengths range up to 14 m.

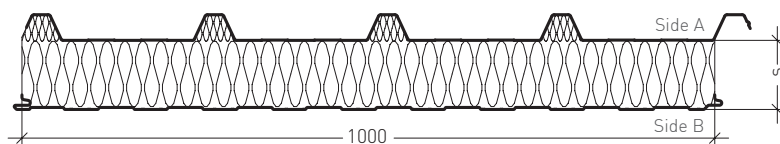
Standard panel width is 1000 mm.

Non-standard panel widths can be made by special request.

TRIMOTERM ROOF PANELS (SNV)

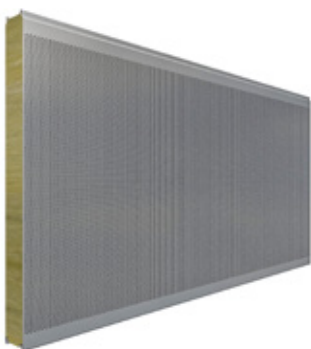


Trimoterm fireproof roof panels are the perfect solution for roofs with inclines. Due to the excellent technical characteristics and complete range of technical solutions and elements, Trimoterm roofing systems enable active and creative adaptations to all demands on buildings. Their versatility makes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



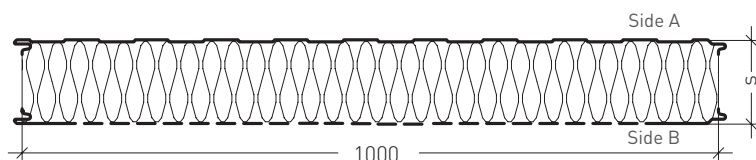
Panel lengths range up to 14 m.
Standard panel width is 1000 mm.

TRIMOTERM SOUND PANELS (FTV, FTV HL, SNV)

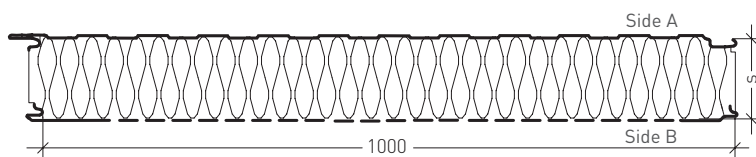


Trimoterm sound panels are used as sound absorbing panels for sound damping in internal applications only. They can be erected as cladding of sound-absorbing cabins, as partition walls and additional cladding on façades and roofs.

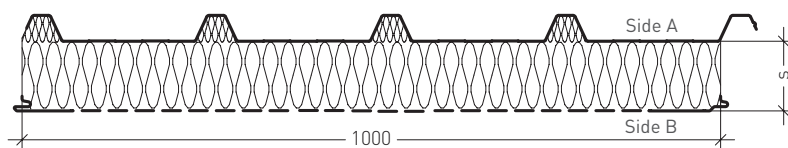
FTV



FTV HL



SNV

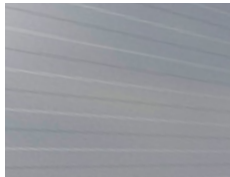


Panel lengths range up to 14 m.
Standard panel width is 1000 mm.

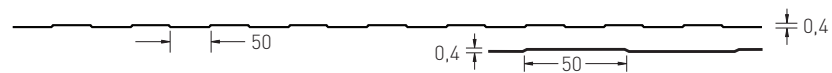
TRIMOTERM PANEL PROFILES

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

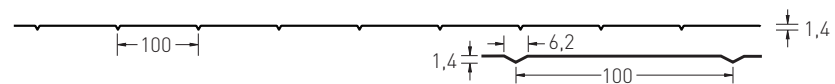
EXTERNAL PROFILE TYPES



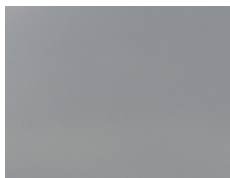
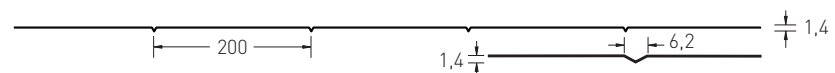
S - PROFILE (S)



V - PROFILE (V)



V - PROFILE (V2)



SMOOTH PROFILE (G)



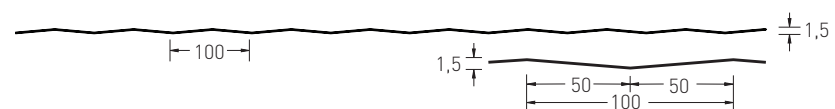
MICRO-LINED PROFILE (M)



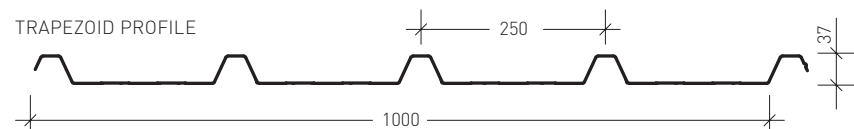
MICRO-LINED PROFILE (M3)



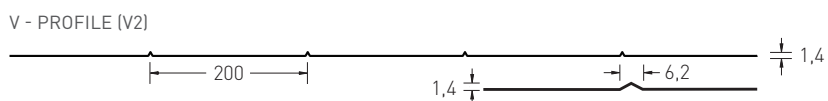
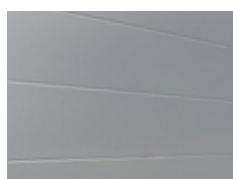
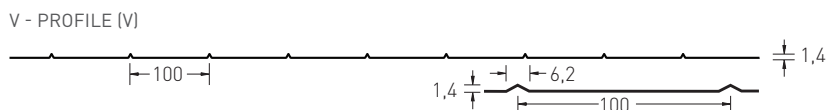
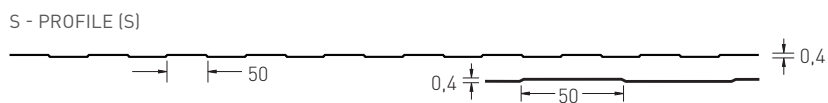
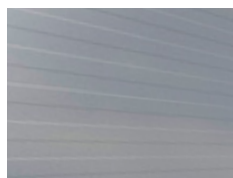
MULTI VARIO PROFILE (X01)



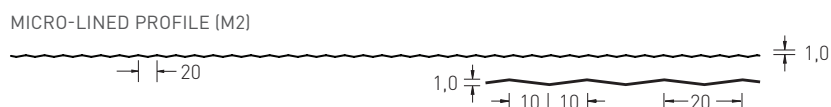
TRAPEZOID PROFILE



INTERNAL PROFILE TYPES



SMOOTH PROFILE (G)



FAÇADE PANELS (FTV, FTV HL)

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

ROOF PANELS (SNV)

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

External side of a panel is usually 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 external side of the panel 0,7 mm steel sheet thickness must be used.

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

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





KJG

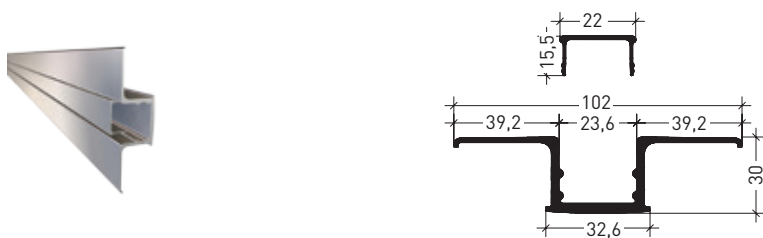
DECORATIVE AND FIXING ELEMENTS FOR TRIMOTERM FAÇADE PANELS

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

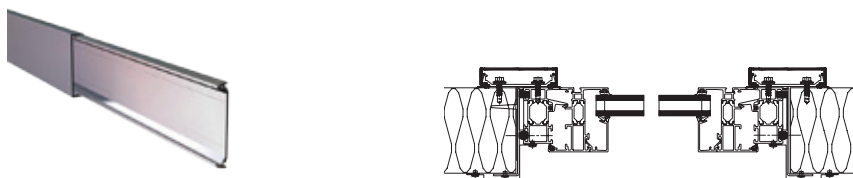
DECORATIVE AND FIXING ELEMENTS FOR TRIMOTERM FAÇADE PANELS

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.

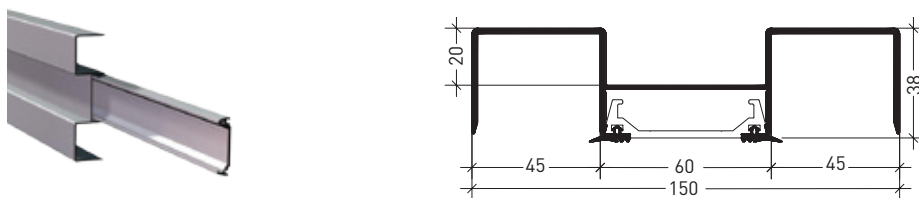
HF 102 - OMEGA PROFILE



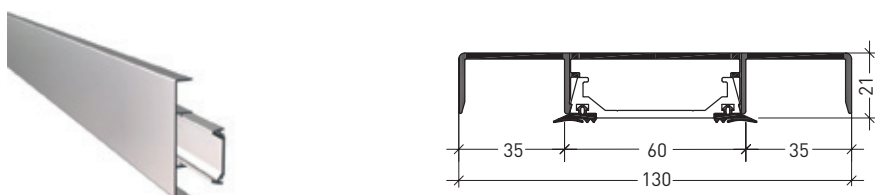
HF5 - DECORATIVE WINDOW PROFILE



HF6 - DECORATIVE OMEGA PROFILE

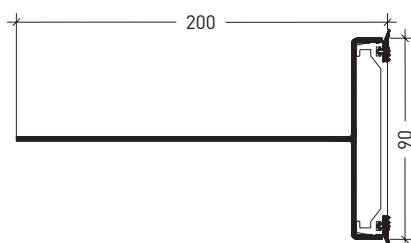
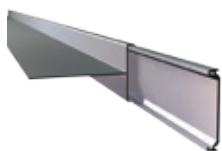


HF4 - DECORATIVE OMEGA PROFILE

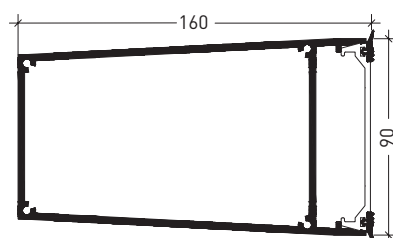


DECORATIVE ELEMENTS FOR TRIMOTERM FAÇADE PANELS

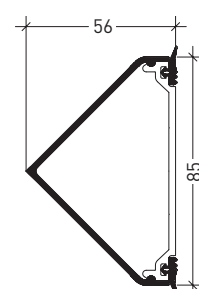
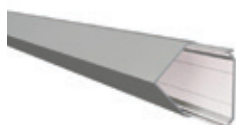
HF1 - T PROFILE



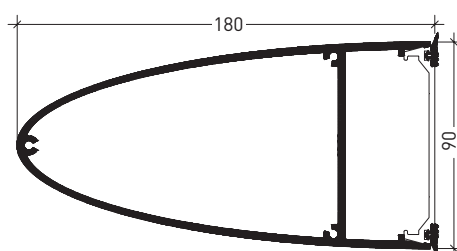
HF2 - TRAPEZOID PROFILE



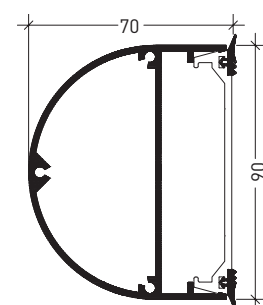
HF7 - TRIANGULAR PROFILE



HF8 - ELLIPTICAL PROFILE



HF9 - SEMI-CIRCULAR PROFILE



COMPANY PROFILE

Trimo is one of Europe's leading companies developing original and complete building envelope solutions.

Expert knowledge, sustainability, reliability and a focus on the future are all basic components that have taken Trimo around the world. Today Trimo sells its products and services under its own brand across more than 60 countries worldwide and has a sales network in almost 30 countries.

Portfolio of partners includes companies such as Airbus, London Heathrow Airport, Nestle, Philips, DHL, Porsche, McLaren, IKEA, Prologis, Mercedes Benz, Coca Cola and many others.



Mitglied des:
IFBS Industrieverband
für Bausysteme
im Metalleichtbau.



TRIMO

TRIMO D.O.O.

PRIJATELJEVA CESTA 12,
8210 TREBNJE, SLOVENIA

T: +386 (0)7 34 60 200

F: +386 (0)7 34 60 127

TRIMO@TRIMO-GROUP.COM

WWW.TRIMO-GROUP.COM