The thoughts of Napur Architect Ltd:

Base, the Backing-wall and the secondary decorative layer is made of profiled plain lacquered aluminum sheets. "We preferred creating a natural, instead of ead Architect beside Détári, György DLA.

REDUCE WASTE AND SAVE TIME BY QUICKLY INSTALLING A PREFABRICATED LOAD-BEARING BACKING-WALL SYSTEM

Trimoterm FTV product for Backing-wall insulated facade system with an extreme load-bearing capacity of up to 60 kg/m² prefabricated in a controlled environme BASE, as one component Backing-wa system ensures quick installation with fewer workers and reduces construction waste compared to Build-up system

SAVE MONEY BY CHANGING THE BUILDING **APPEARANCE DURING OPERATING TIME**

Trimoterm FTV produ insulated facade syste compatible solution cladding and ensures changing the build appearance during the operating time and save money in term of TCO.

WELL-BEING COMFORT AND SAFETY GUARANTEED

rimoterm FTV product for Backing-wall nsulated facade system provides a flat internal surface and stable climate with ultimate airtightness and watertightness, exceptional thermal transmittance, and guarantees the safety of people and goods with reaction to fire classification A2-s1, d0.

Unlimited choices of final claddings

wall insulated facade system solution is a canvas for architects, to design architecture with unlimited choices of final claddings. An average weight of the additional final cladding is in the range of up to 20 kg/m².



BE CUBIC

....

Qbiss Screen, **Cassettes**, **Perforated**

GO SQUARE

Brick. Tiles. Glass.

DO ORGANIC

Profiled Steel Sheet, Membrane, Me

Completely Compatible Solution For Various Final Cladding Brand new BASE as Backing-wall Insulated Facade Syst true architectural expression as a main structural carri cladding.

mana

Mechanics for test

SO LINE

Benefit without compromise





ERTICAL

The first fully tested mineral wool cored panel for Back ized details design was done for the mechanica with the independent institutions; iS-engineering Universität Darmstadt, Germany - Institute for Steel Construction and Materials

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BASE, BACKING-WALL

FRIMOTERM

INSULATED FACADE SYSTEM

System Description

The BASE solution represents the so-called Backing-wall Insulated Facade System, which is made up of customized unique product formula of Trimoterm FTV panel. The robust system works as a load-bearing wall, where an additional final cladding is fixed through the Omega Rails. The internal steel sheet of the panels remains intact in the whole central area, as in this area the Omega Rails are fixed only on the external steel sheet. The system is flexible and modified for the building for horizontal or vertical installation. Contact us for bespoken custom-made product formula of Trimoterm FTV for your building at your location.

Product Specification



INSTALLATION	Vertical	
COLOR RANGE	Bright, Medium, Dark	
COLOR PROTECTION	Northern Europe - Zone 1 Inland locations	Colorcoat Prisma
WARRANTY	Colorcoat Prisma	up to 25 years
UNIT DIMENSION	T (mm)	200-240
	M (mm)	1000 - 1200
	L (mm)	by project
EXTERNAL STEEL SHEET	Thickness t (mm)	0.6 - 0.7
	Profile	G
INTERNAL STEEL SHEET	Thickness t (mm)	0.6
	Profile	G, S, V, V2, M2, M3
FEATURES	Mineral Wool core (EN 14509)	Power T
	Weight (kg/m²)	27.0 - 30.6
	Reaction to fire	A2-s1, d0
	Fire resistance (i→o)	EI 90*
	Thermal transmittance U (W/m²K)	as low as 0.16
	Airborne sound insulation R_w (C:C _{tr} (dB)	up to 30 (-1;-3)
	Water permeability (EN 14509)	class A (1200Pa)
	Air permeability (EN 14509)	n=1.5: C=0.00005
	Burglary resistance class (EN 1627)	RC3
	Certificates	CE, LPCB, FM

*Valid for elements up to 6 m span (according to EN 1364-1) with secondary facade weight up to 45 kg/m².

OMEGA Rail

DIMENSION	min.	max.	
a (mm)	30	AR*	
b (mm)	30	AR*	
c (mm)	60	AR*	
t (mm)	2.0	6.0	
l (mm)	520	4000	
AR* as requested by project			



Upper side

Slotted hole Ø 7 x 15 SLG 6.5x20 screws carry the load from wind suction acting on the final cladding and transferred through these into the panel through the outer steel sheet. Screws SXC 6.3xL through top two slotted holes are used to fix entire system to the structure.

Round hole Ø 7

Two SLG 6.5x20 screws carry the weight of the final cladding and its own substructure. In addition, the two bottom SXC5 6.3xL screws additionally fix the entire system to the structure. Bottom side

System Components and Dimensioning Guidelines

- Trimoterm FTV panel is high-quality fireproof and sustainable product with 99% recyclability.
- Fixing material for panels has load-bearing capacity according to approvals for Trimoterm FTV (AbZ Nr. Z-10.49-624); for Omega Rails has loadbearing capacity according to testing and approval by iS-engineering GMbH in line with ETA - 10/0198.

• Sealing material continuously laid ensures airtightness and water tightness at the joints between the structure and the panel and between the panel and Omega Rail.

- Steel sheet flashings finalize details according to the Backing-wall insulated facade system.
- **Omega Rails**

is substructure that carries the weight of the final cladding.







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P Architectural details **BACKING-WALL** Insulated

Facade System **Trimoterm FTV**

Your Input is our Output

Trust the basic input data to our Trimo design team and we will provide you efficient product formula and customize the Trimoterm FTV product and Omega Rails to your needs for your building at your location.