ROMA INSULATION SYSTEMS

Panels for slope roofs

Quick-assembly insulating panel, type D



SO EVERYTHING FITS. ROMA

ROMA quick-assembly insulating panel, type D
Quality you can count on



The type D roof panel is the central element of the ROMA construction system. It consists of two steel cladding layers and a rigid PIR foam core with a factory-installed triple-seal joint. The best qualities are combined for your roof inside and outside: rugged surface finishes and excellent insulating properties.

This sandwich panel element is 1000mm wide and comes in various lengths up to 21.5m. Because of its optimized profiling, this panel is also suitable for oversized spans.

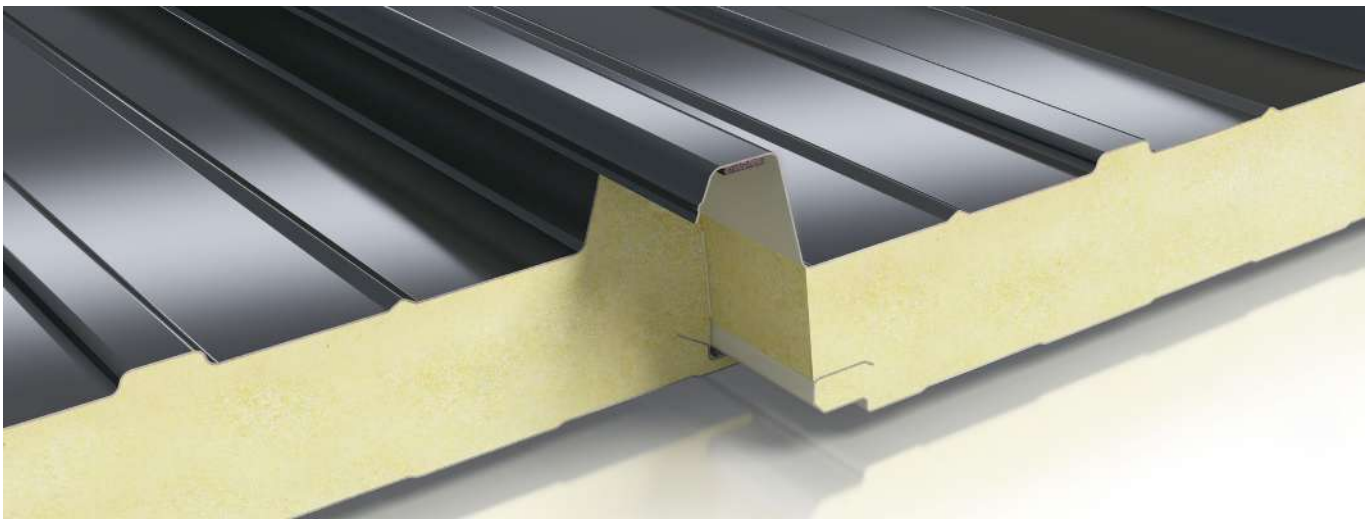
Last but not least: The ROMA type D quick-assembly insulating panel comes in many different versions. We can supply panels in various thicknesses, in a range of surface finishes and a wide variety of colors to match your construction project requirements.



Production building with roof panels

*) Foam System ROMA5 based on organic waste (Bio-Naphtha). Mass Balance Technology monitored by TÜV Nord.

Assembly and joint technology
Easy assembly – advanced joint technology



Overlapping bead

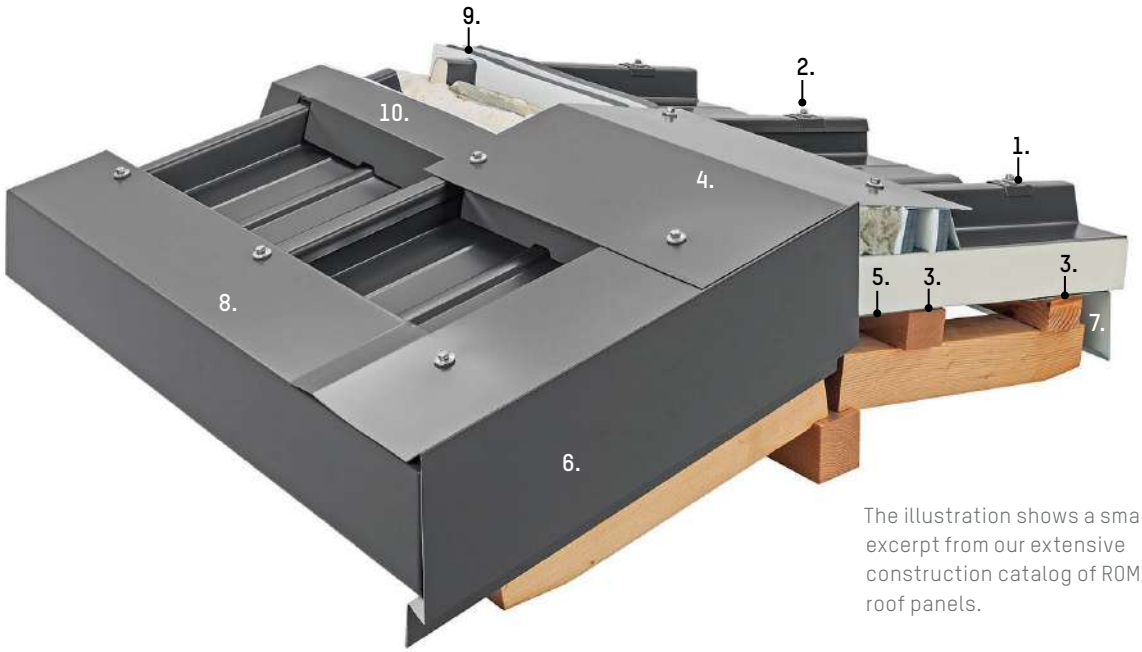


Example of roof assembly with traverse

Assembly process
Benefit from simple and rapid assembly.
Due to their extreme length, most ROMA panel roof membranes can be laid in one piece. Laying of the roof panels is carried out by overlapping the beads. To do this, the non-foamed sheet metal portion of the panel is placed on the opposite section of the next panel. We recommend laying panels towards where weather systems come from.

How you benefit:
- Insulation and roof cladding in one element
- Precision joints free of thermal bridges
- Ready to walk on and self-supporting
- Laying possible in any weather
- Rapid and easy assembly
- Roof cladding with protective foil for transport and assembly
- Delivered to building site free of charge on request
- Bundling of elements as specified
- Same geometry and appearance as the type FD MW roof panel
- Comes in various lengths up to 21.5m without transverse joint

Roofing accessories – your single source supplier



The illustration shows a small excerpt from our extensive construction catalog of ROMA roof panels.

Practical, high quality ROMA accessories turn our ROMA roof panels into a modern roofing system allowing all construction connections and details to be implemented perfectly.

Whether as a steel, aluminum or wood construction: The ROMA roof panel and its system accessories offer elegant connection constructions in such areas as:

- Ridge and eaves structures for shed roofs and gable roofs
- Load-bearing construction connections
- Connections on other buildings
- Skylights
- Light strips

ROMA roof panel accessories

1. Fixing caps
2. Retaining screws
3. Sealing and separating strips
4. Ridge profile
5. Ridge flashing
6. Verge profile
7. Gutter inflow sheet
8. Water deflector plate
9. Bead filler strip
10. Cog sheeting

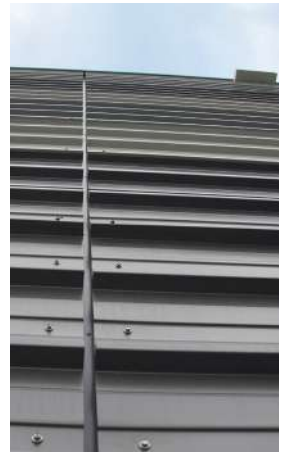
See the roof flashing catalog for the complete range of ROMA accessories. In addition, we also produce specialized accessory parts to order.

Please contact us for any advice or information you may need.

Efficient construction and many applications

Panel lengths up to 21.5m
ROMA roof panels have excellent static test values thanks to the special design of their trapezoidal profile and the force-locked connection with the rigid foam core. Their high degree of stiffness, load-carrying capacity and relatively lightweight design make panel lengths of up to 21.5m possible.

The highest thermal insulation requirements
Energy-saving regulations in Germany continue to require a high degree of thermal insulation. These requirements can be easily fulfilled with ROMA: Thanks to the threefold sealing system, you too can achieve optimal thermal insulation and outstanding insulating values on your roof.



Roof laid as wall



Production building with office

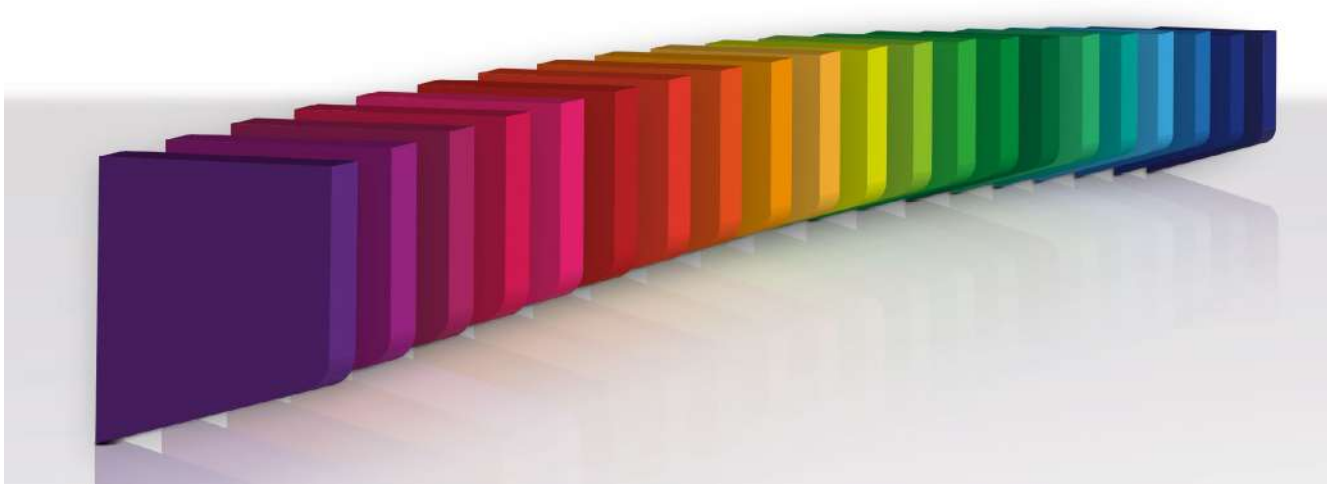
Also ideal for roof refurbishment
ROMA roof panels have a structurally ideal design and with their long panel lengths are optimal for many different applications in building and administration construction as well as refurbishment projects.

We would be pleased to advise you about your next renovation project.

A wide range of products and design options

The play of light and shadow
The surface of the roof panel is given visual flair by three large beads at 333mm intervals and three small interspersed beads. This creates an interesting light and shadow effect.

Colors and coatings
Add color to your roof with ROMA. We offer a wide-ranging color and coating system in standard and custom colors, including polyester paint coatings and other coating systems. This means ROMA has the right type of roof panel to match your specific technical requirements – while also offering attractive appearance.



We offer you a wide range of attractive colors.
Please see our color chart for more information on cladding layers and color options.

Properties, technical data, product overview

ROMA is a leading manufacturer of wall and roof sandwich panel elements for industrial and cold-store construction.

We develop, manufacture and market complete systems for industrial construction engineering as well as cold-store and deep-freeze cell and cell-door construction. Climate test chambers, cleanrooms, and specialized climate-control applications are also part of our product portfolio. We have over 75 years of success and experience in highly specialized construction sectors.
Ever since its founding, our family-run company has always manufactured top-quality products Made in Germany.

Approval
General building authority and building law approval for use as roofs/walls. Notification of approval Z-10.4-549 of the DIBt, Berlin and CE marking in accordance with DIN EN 14509.

Planning details
Please consult our most recent technical data sheets for detailed planning specifications.

www.romakowski.com/en/insulation-systems/downloads



Family home with a ROMA roof

Quality assurance and external monitoring
ROMA's high-precision double conveyor belt production line results in components of the highest quality and measurement accuracy.

Cladding layers		
External:	Galvanized steel	0.5/0.6/0.75mm
Internal:	Galvanized steel	0.4/0.5mm

Fire tests	
D	B1 acc. to DIN 4102 – flame retardant, hard roofing, DIN 18234-1 (D142)
CH	Class 5.3 acc. to VKF Bern
EU	Euro-Class B-s2, d0 (DIBt approval), Euro-Class B-s1, d0, acc. to EN 13501-1 D142 REI 45, D122 REI 15, acc. to EN 13501-2
FM	FM Approval (4880, 4881, 4471)

System dimensions	
Unit width	1068mm
Module width	1000mm
Insulating thicknesses	82, 102, 122, 142, 162 mm
Available lengths	Up to 21.5m, depending on panel thickness

Weights, thermal insulation

ROMA quick-assembly insulating panels	**Panel thickness**	**Insulation thickness** (without beads)	**Panel weight approx.**[1]	**U-value** certified to EN 14509 with joint[2]
Type	**mm**	**mm**	**kg/m²**	**W/(m²·K)**
ROMA D 82	82	40	11.9	0.542
ROMA D 102	102	60	12.7	0.363
ROMA D 122	122	80	13.5	0.273
ROMA D 142	142	100	14.3	0.219
ROMA D 162	162	120	15.1	0.183

[1] Element weights refer to the standard version (external 0.6mm/internal 0.5mm)
[2] $\lambda_{declared}$ = 0,022 [W/mK]

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