ROMA INSULATION SYSTEMS

Panels for slope roofs

Quick-assembly insulating panel, type D

New U-values!
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 24m. 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 24m roof panels

Assembly and joint technology
Easy assembly – advanced joint technology

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 24m without transverse joint

Overlapping bead

Example of roof assembly with traverse
Roofing accessories – your single source supplier

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 24m
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 exceptional panel lengths of up to 24m 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.

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.
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 70 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.

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 – fire-resistant |
| CH | Class 5.3 acc. to VKF Bern |
| EU | Euro class B-s2, d0 |
| FM | FM Approval |

System dimensions
| Unit width | 1068mm |
| Module width | 1000mm |
| Insulating thicknesses | 72, 82, 102, 122, 142, 162, 182mm |
| Available lengths | Up to 24 m, depending on panel thickness |

Weights, thermal insulation

| Type | Panel thickness | Insulation thickness | Panel weight | U-value certified to EN 14509 with joint
| ROMA D 72 | 72 | 30 | 11.5 | 0.717 |
| 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 |
| ROMA D 182 | 182 | 140 | 15.9 | 0.157 |

1) Element weights refer to the standard version (external 0.6mm/internal 0.5mm)
2) $\lambda_{\text{declared}} = 0.022$ [W/mK]

This information is non-binding and prepared to the best of our knowledge while taking relevant standards and regulations into consideration. Drawings and pictures serve informational purposes only. All rights reserved by the publisher. Reproduction in whole or in part only by consent of Romakowski GmbH & Co. KG, Buttenwiesen, Germany. Our General Business Conditions (AGB) also apply.