ROMA INSULATION SYSTEMS

Fire safety, sound dampening and thermal insulation

Type FD quick-assembly insulating panel



SO EVERYTHING FITS. ROMA

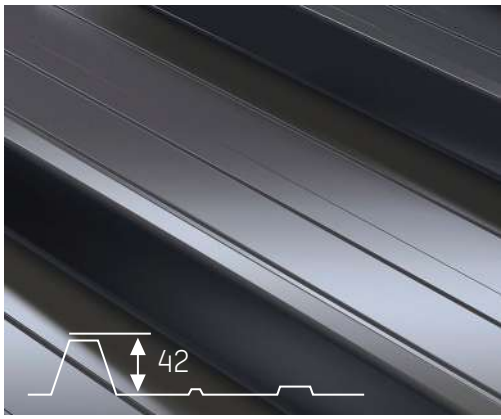
ROMA quick-assembly roof panel
Type FD and type FD eco



Cladding layers	Coil galvanized sheet steel with organic plastic coating, further cladding layers are available on request
Surface finishes	Standard: External face trapezoidal profile (333mm), internal face profiled (56mm)
Insulating core	Mineral fiber, non-flammable (A1), fiber-adjusted, water-repellent
Density	Panel FD: 120 kg/m³; FD eco: 90 kg/m³
Fire tests	Euro class A2-s1, d0 according to EN 13501-1
Fire resistance* acc. to classification report	FD142 (and thicker) REI 90 / RE 120 according to EN 13501-2
Fire resistance D	FD142 (and thicker) REI 90 according to EN 13501-2
Approval	ABg Z-10.49-836/1 resp. -837/1
System dimensions	Element width 1.068mm; module width 1.000mm
Available lengths	Up to 16m, depending on panel thickness
Production tolerances	In accordance with EN 14509
Sound insulation	Type FD eco 30dB / Type FD 32dB from thickness 60mm
Statics	pending

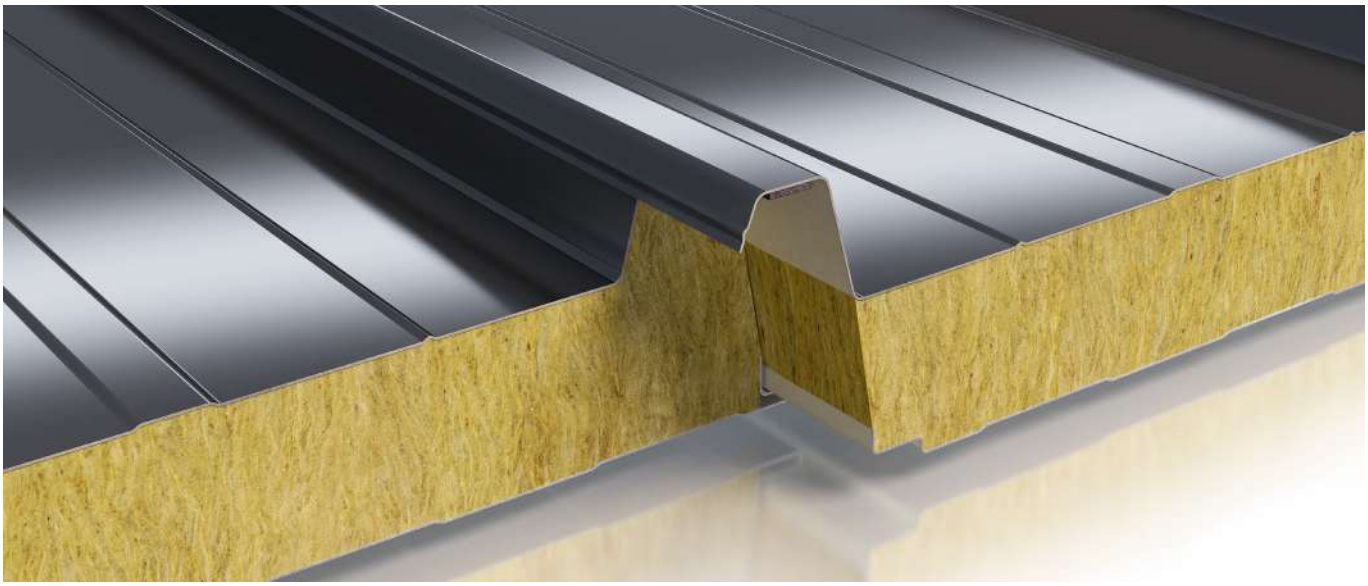
How you benefit:
– The same joint geometry as the type D PIR panel
– Insulation and roof cladding in one construction element
– Precisely fitted connection without the formation of thermal bridges
– Immediately walkable and self-supporting
– Laying not affected by weather conditions
– Rapid and easy installation
– Cladding layers with protective foil for transport and installation
– On request, delivery free construction site
– Bundling of elements as required

Optimal fire protection – now for your roof, too
The ROMA mineral wool type FD roof panel is a non-flammable sandwich element. It consists of two high-grade steel cladding layers and a mineral wool insulating core. This sandwich panel element is 1.000mm wide and comes in convenient lengths of up to 15m.

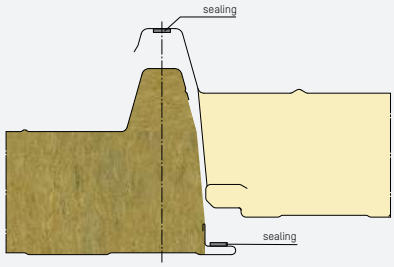


* No application approval for Germany (D)

Installation and connection technology
Ease of installation – intelligent connections



Transition mineral wool/PIR panel



The type FD mineral wool roof panel is the ideal complement for the type D roof panel for fire areas that need to prevent flying sparks. The joint geometry of the two roof types is co-ordinated so that laying can be carried out quickly and easily. Together, the ROMA PIR and mineral wool roof panels allow economic and rapid construction that is energy efficient while taking demanding fire code requirements into consideration.

Panel type		FD102	FD122	FD142	FD162	FD182	FD192	FD212	FD242	FD282
Density	kg/m³	120								
Panel thickness	mm	102	122	142	162	182	192	212	242	282
Insulating thickness (without bead)	mm	60	80	100	120	140	150	170	200	240
Cladding layer thickn. External Internal	 mm mm	 0.6 0.5	 0.6 0.5	 0.6 0.5	 0.6 0.5	 0.6 0.5	 0.6 0.5	 0.6 0.5	 0.6 0.5	 0.6 0.5
Panel weight approx.	kg/m²	18.3	20.7	23.1	25.5	27.9	28.6	31.5	35.1	39.9
U value in accordance with EN 14509 with joint	W/(m²·K)	0.699	0.534	0.432	0.363	0.313	0.292	0.259	0.221	0.185
Panel type			FD eco 122	FD eco 142	FD eco 162	FD eco 182	FD eco 192	FD eco 212	FD eco 242	FD eco 282
Density	kg/m³		90							
Panel weight approx.	kg/m²		18.2	20.0	21.8	23.6	24.0	26.3	29.0	33.6
U value in accordance with EN 14509 with joint	W/(m²·K)		0.468	0.378	0.317	0.273	0.255	0.226	0.192	0.161

* No application approval for Germany (D)

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Design flexibility thanks to product variety

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

Colors and coatings
Add vibrant colors to your roof with ROMA: Our system offers many different paints and coatings in standard and custom colors, Including polyester paint coatings and other coating systems. This means ROMA can supply roof panel types matching your specific technical requirements – while also offering attractive design options.



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

Planning details
Please consult our current technical data sheets for more detailed information.

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

ROMA.
So everything fits.

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

We develop, manufacture and market complete construction systems for industrial structural engineering as well as cold-store and deep-freeze cell and cell door construction. Our range of products also includes climate chambers, cleanrooms and specialized rooms for a wide range of applications in the HVAC industry. We can look back on more than 75 years of success and experience in highly specialized construction sectors. Ever since its founding, our familyrun business has always manufactured top-quality products Made in Germany.

Additional information about our products is available at:
www.romakowski.com

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