ROMA INSULATION SYSTEMS

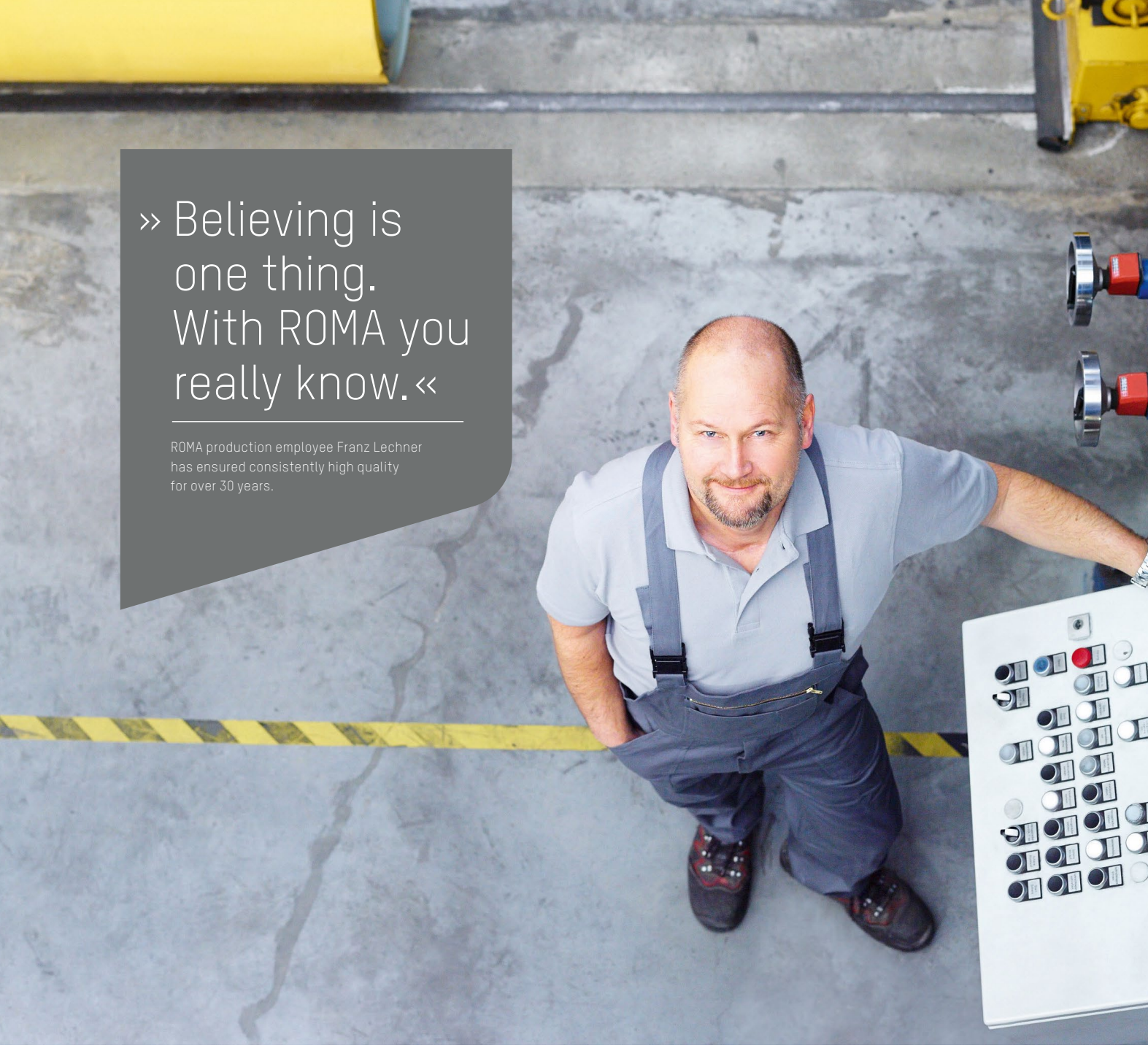
Product range

Everything you need to know about ROMA and our products in one document.

ROMA Dämmsysteme
ROMA5 optionally based on renewable resources

All roads lead to

SO EVERYTHING FITS. ROMA



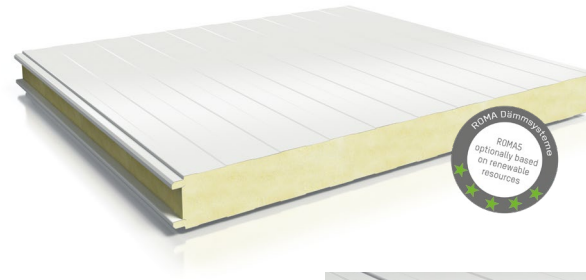
» Believing is one thing. With ROMA you really know.«

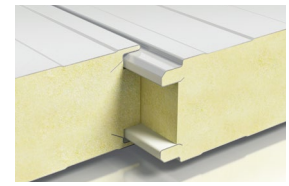
ROMA production employee Franz Lechner has ensured consistently high quality for over 30 years.

PIR wall panels, type P

ROMA quick-assembly insulating panels, type P, combine a lightweight design with wide purlin spacing, straightforward joint technology and logical instructions for easy, time-saving assembly. The uniquely double tongue-and-groove joints, with a labyrinth effect, are free of thermal bridges and remilled to ensure airtight construction of exterior walls. You can use our insulation panels as wall or roof panels.

Panel type		P045	P060	P080	P100	P120	P140	P170	P200	P220
Panel thickness	mm	45	60	80	100	120	140	170	200	220
Cladding layers external **Cladding layers 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	11.1	11.7	12.5	13.3	14.1	14.9	16.1	17.3	18.1
U-value certified to EN 14509 with joint [1]	W/(m²·K)	0.540	0.388	0.285	0.226	0.187	0.160	0.131	0.111	0.101
Values for Cold-store and deep-freeze construction										
Cladding layers internal & external	mm	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Panel weight approx.	kg/m²	12.1	12.7	13.5	14.3	15.1	15.9	17.1	18.3	19.1
Roof element spans, self-supporting single-field load-bearing units depending on load type [2] EN 14509 without bending										
	m	to 5.11	to 6.31	to 7.70	to 8.73	to 10.31	to 10.56	to 11.23	to 11.89	to 12.25



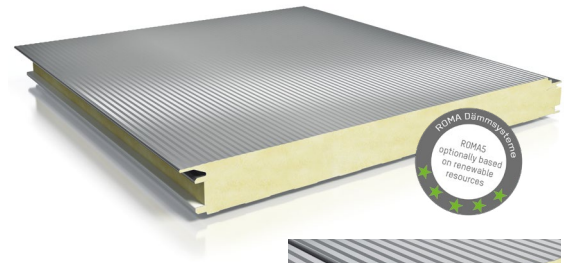


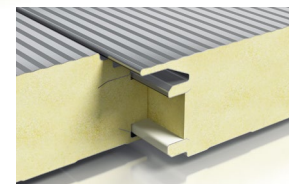
The module width for all PIR type P wall panels is 1,150 mm.

PIR wall panels, type M

ROMA quick-assembly insulating panels, type M, with concealed fittings, enable an aesthetic and highly varied design of structural surfaces, while remaining cost-efficient. With ROMA, you can achieve highly attractive architecture for industrial and commercial buildings even under demanding conditions.

Panel type		M060	M080	M100	M120	M140	M170
Panel thickness	mm	60	80	100	120	140	170
Cladding layers external **Cladding layers 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
Panel weight approx.	kg/m²	12.7	13.5	14.3	15.1	15.9	17.1
U-value certified to EN 14509 with joint [1]	W/(m²·K)	0.448	0.300	0.234	0.192	0.163	0.133



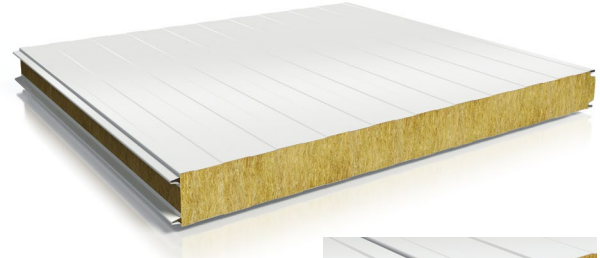


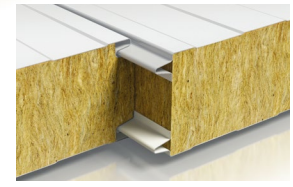
The module width for all PIR type M wall panels is 1,000 mm.

MW wall panel, type FP

Our type FP fireproof wall panel with its noncombustible insulating stone wool core delivers outstanding fire protection and soundproofing and is perfect for external wall construction and extensions inside buildings. This panel model is available in eight insulating thicknesses and two densities.

Panel type		FP060	FP080	FP100	FP120	FP140	FP150	FP170	FP200	FP240
Density	kg/m³	120								
Panel thickness	mm	60	80	100	120	140	150	170	200	240
Cladding layers external **Cladding layers 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	16.5	18.9	21.3	23.7	26.1	27.4	29.7	33.3	38.1
U-value certified to EN 14509 with joint	W/(m²·K)	0.736	0.550	0.441	0.368	0.317	0.296	0.261	0.222	0.186
Panel type		**FP eco 060**	**FP eco 080**	**FP eco 100**	**FP eco 120**	**FP eco 140**	**FP eco 150**	**FP eco 170**	**FP eco 200**	**FP eco 240**
Density	kg/m³	90								
Panel weight approx.	kg/m²	14.7	16.5	18.3	20.1	21.9	22.8	24.6	27.3	30.9
U-value certified to EN 14509 with joint	W/(m²·K)	0.648	0.482	0.386	0.322	0.276	0.258	0.228	0.194	0.162





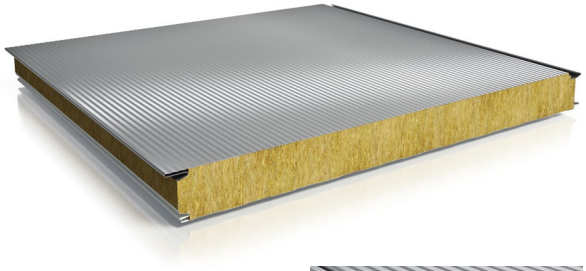
The module width for all MW type FP wall panels is 1,150 mm.

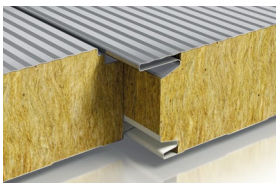
1) $\lambda_{declared}$ = 0.022 [W/mK]

MW wall panel, type FV

Our type FV noncombustible wall panel with its insulating, noncombustible stone wool core comes in eight different insulating thicknesses and two densities. ROMA thus offers solutions for fire protection and soundproofing meeting a wide range of requirements. The fine microprofiling and hidden fixing allow aesthetic wall and façade designs.

Panel type		FV060	FV080	FV100	FV120	FV140	FV150	FV170	FV200	FV240
Density	kg/m³	120								
Panel thickness	mm	60	80	100	120	140	150	170	200	240
Cladding layers external **Cladding layers 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	16.8	19.2	21.6	24.0	26.4	27.4	30.0	33.6	38.4
U-value certified to EN 14509 with joint	W/(m²·K)	0.861	0.585	0.459	0.380	0.325	0.303	0.267	0.227	0.190
Panel type			FV eco 080	FV eco 100	FV eco 120	FV eco 140	FV eco 150	FV eco 170	FV eco 200	FV eco 240
Density	kg/m³		90							
Panel weight approx.	kg/m²		16.8	18.6	20.4	22.2	23.1	24.9	27.6	31.2
U-value certified to EN 14509 with joint	W/(m²·K)		0.513	0.402	0.332	0.284	0.265	0.233	0.197	0.165



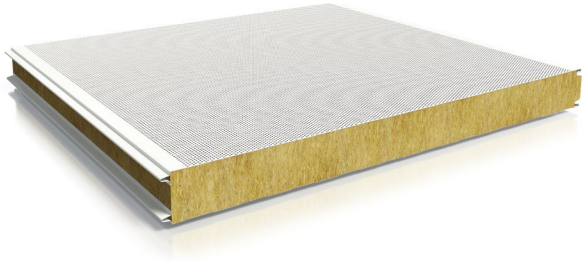


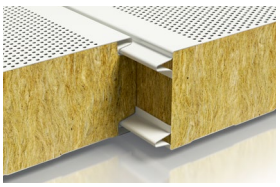
The module width for all MW type FV wall panels is 1,000 mm.

MW acoustic panel, type AFP

Do you require construction elements for acoustic absorption and improving room acoustics? The ROMA MW acoustic panel, type AFP, featuring a rock wool insulating core and one-sided perforated sheet steel is just what you need. A layer of black fiberglass matting between the stone wool and perforated plate provides trickling protection. With an AFP eco060, ROMA already achieves the highest sound absorption class A.

Panel type		AFP060	AFP080	AFP100	AFP120	AFP140	AFP170	AFP200	AFP240
Density	kg/m³	120							
Panel thickness	mm	60	80	100	120	140	170	200	240
Cladding layers external **Cladding layers internal**	mm mm	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
Panel weight approx.	kg/m²	15.0	17.4	19.8	22.2	24.6	28.2	31.8	36.6
U-value certified to EN 14509 with joint	W/(m²·K)	0.751	0.561	0.450	0.376	0.323	0.267	0.227	0.190
Panel type		AFP eco 060	AFP eco 080	AFP eco 100	AFP eco 120	AFP eco 140	AFP eco 170	AFP eco 200	AFP eco 240
Density	kg/m³	90							
Panel weight approx.	kg/m²	13.2	15.0	16.8	18.6	20.4	23.1	25.8	29.4
U-value certified to EN 14509 with joint	W/(m²·K)	0.648	0.482	0.386	0.322	0.276	0.228	0.194	0.162



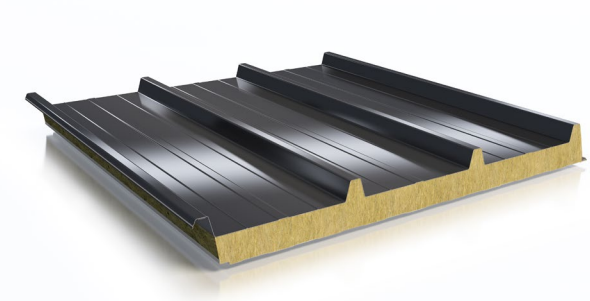


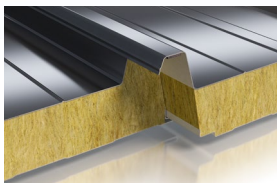
The module width for all MW type AFP acoustic panels is 1,150 mm.

MW roof panel, type FD

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 geometry of the two roof types is coordinated so that laying can be carried out quickly and easily.

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
Insulation thickness (without beading)	mm	60	80	100	120	140	150	170	200	240
Cladding layers external **Cladding layers 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 certified to 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 certified to EN 14509 with joint	W/(m²·K)		0.468	0.378	0.317	0.273	0.255	0.226	0.192	0.161





The module width for all MW type FD roof panes is 1,000 mm.

1) $\lambda_{declared}$ = 0.022 [W/mK]

PIR-Dachpaneel Typ RD

With the new roof panel type RD, we present you a sandwich panel that significantly facilitates the installation of a PV system. The new ROMA roof profiling allows you to install your photovoltaic system without having to drill into the panel outer shell. Form-fitting, approved clamps allow for quick and easy installation of your PV system, making the roof panel a great choice for anyone looking for a high-quality, energy-efficient and future-proof sandwich roof.

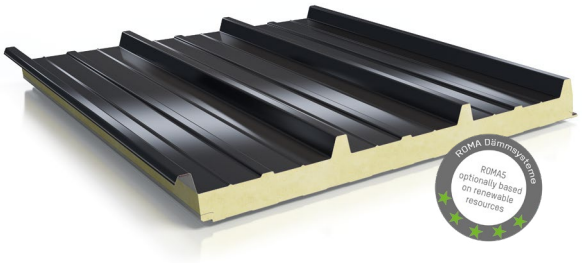
Paneel-Typ		RD082	RD102	RD122	RD142	RD162	RD182	RD212
Panel thickness	mm	82	102	122	142	162	182	212
Insulation thickness (without beading)	mm	40	60	80	100	120	140	170
Cladding layers external	mm	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Cladding layers internal	mm	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Panel weight approx.	kg/m²	12.2	13.0	13.8	14.6	15.4	16.2	17.4
U-value certified to EN 14509 with joint [1]	W/(m²·K)	0.542	0.363	0.273	0.219	0.183	0.157	0.129

Available in the standard colors RAL 7035, RAL 7016, RAL 3009, RAL 9002, Stratos and Mesos in 50µm.
Other colors and coating systems on request.

Die Rasterbreite für Trapez DUO 062 beträgt 1.000 mm.

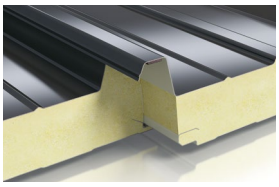
PIR roof panels, type D

ROMA quick-assembly insulating panels, type D, feature factory-equipped triple sealing which meets the highest standards in thermal insulation and moisture protection. The high rigidity and load capacity of these panels allow wider support spacing. Longer panel lengths and a lightweight design make construction projects highly cost efficient.



Panel type		D082	D102	D122	D142	D162
Panel thickness	mm	82	102	122	142	162
Insulation thickness (without beading)	mm	40	60	80	100	120
Cladding layers external	mm	0.6	0.6	0.6	0.6	0.6
Cladding layers internal	mm	0.5	0.5	0.5	0.5	0.5
Panel weight approx.	kg/m²	11.9	12.7	13.5	14.3	15.1
U-value certified to EN 14509 with joint [1]	W/(m²·K)	0.542	0.363	0.273	0.219	0.183

The module width for all PIR type D roof panels is 1,000 mm.

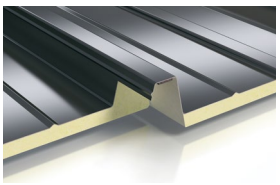


Trapez DUO 062

The ROMA Trapez DUO 062 is an ideal panel for refurbishment projects. Its PIR coating keeps condensation from forming on inner roof surfaces. A sealing strip in the overlapping bead protects against the penetration of moisture. Like all ROMA elements, the ROMA Trapez DUO can be quickly and efficiently installed. For heated buildings and areas with public access, we recommend our ROMA quick-assembly insulating panels Type D or RD.

Panel type		DUO 062
Panel weight approx.	kg/m²	7.4
U-value certified to EN 14509 with joint	W/(m²·K)	1.049

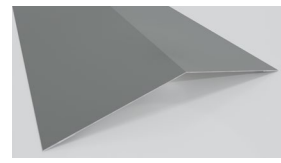
The module width for Trapez DUO 062 panels is 1,000 mm.



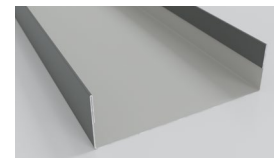
1) $\lambda_{declared}$ = 0.022 [W/mK]
2) Including repair load of P = 1.0kN, both sides t = 0.6mm, profiled on both sides

Accessories

ROMA offers not only first-class products but also a broad range of accessories – with the tried and tested ROMA quality integrated in every last detail. We have everything from cover plates to fixing caps, from Internal ridge flashing to ceiling suspensions. All from a single source and specifically coordinated to each other – so that everything fits.



Ridge flashing



Element enclosure

The accessary parts depicted here are taken from our accessories catalog.

Cold-store and deep-freeze cells

Cold-store and deep-freeze cells

As a partner to the refrigeration trade, ROMA offers extensive support for your construction project. You can be sure that all requirements will be considered during planning and that your individual requirements are carried out. We focus on low energy and maintenance costs. Every cold-store cell is assembled by trained specialist personnel. They safeguard your investment because we implement your exact specifications.

Doors

Hinged and sliding doors

Industrial doors have to handle tough conditions and are subject to high dynamic loads and often extreme temperature fluctuations, too. They are designed to streamline operational workflows and be easy to use. Doors have to meet very stringent requirements regarding construction, functional mechanics, material, sealing and insulation. In addition, many different safety regulations for protecting people and building facilities have to be observed. Whether it is a matter of cold-store or deep freeze room doors, robust versions ensure long service life and a high level of user convenience. ROMA doors are open for any application.

Customized construction

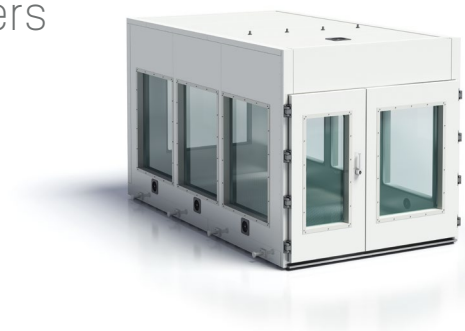
Customized construction

Safeguard the quality of your products with constant temperatures, protect your investment in machines by keeping humidity constant, minimize costs by keeping external conditions the same, protect your employees and your environment from noise, heat and exhaust through special insulation – at any time of the year and time of day. No matter what or whom you want to protect, ROMA offers you an individual solution. For even more flexibility, we will in future also be offering mobile solutions down to -80 °C.

Environmental Simulations and Test Chambers

Environmental Simulations and Test Chambers

New developments, new regulations and reliable documentation of test results are the challenges faced by industry. Not only legislators set high environmental goals and require their observance. Customers also want to make their contribution and demand proof of this. The basis for this is a constant temperature, long-term tightness of all elements and penetrations, and fire protection. Our element structure, which meets the requirements of EI120, combines the advantages of mineral wool and polyurethane in an optimal way. Deliver resilient results - faster and with fewer tests. A financial advantage in current and future test procedures.



ROMA. So everything fits.

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, machine enclosures, 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.

For more information, please visit our website:
www.romakowski.com

Optimal production ensures high product availability, so that your projects run smoothly.

With over seven decades of experience, ROMA is known for its top product engineering and dependable quality.

Thoroughly satisfied customers is the ROMA trademark – because everything fits.

Sustainable construction with our ROMA5 PIR foam system made from renewable raw materials. For more information, please visit our website under ROMA5 BMB.

Creative building design

The ROMA color palette for quick-assembly insulating panels.

Coating system	Color	Color group	Coating system	Color	Color group	Coating system	Color	Color group
Polyester **25µm**	RAL 9010 Pure white	1	Polyester **25µm**	RAL 8011 Nut brown	3	ROMAplus **50µm**	RAL 7016 Anthracite grey	3
	RAL 9001 Cream	1		RAL 8012 Red brown	3		RAL 7035 Light grey	1
	RAL 9002 Grey white	1		RAL 8014 Sepia brown	3		RAL 9002 Grey white	1
	RAL 7035 Light grey	1		RAL 6005 Moss green	3		RAL 9010 Pure white	1
	RAL 7042 Traffic grey A	2		RAL 6011 Reseda green	2		Stratos	2
	RAL 7032 Pepple grey	2		RAL 5010 Gentian blue	3		Mesos	2
	RAL 1015 Light ivory	1		RAL 9006 White aluminum	2		Ionos	2
	RAL 1023 Traffic yellow	2		RAL 9007 Grey aluminum	2	ROMA Resist **35µm**	RAL 9002 Grey white	1
	RAL 2001 Red orange	2		RAL 7016 Anthracite grey	3	PET **55µm**	RAL 9010 Pure white	1
	RAL 3000 Flame red	3	Polyester **35µm**	Dark Zebrano 3D	3	Hard PVC foil **150µm**	RAL 9001 Cream	1
	RAL 3009 Oxide red	3		Golden Oak	2		RAL 9010 Pure white	1
	RAL 8004 Copper brown	3	ROMAplus **50µm**	RAL 3009 Oxide red	3	DU **15µm**	RAL 9002 Grey white	1

As of: 11/2024

The many options offered by the color palette for ROMA sandwich panel elements gives you numerous creative design options. The basic material used in our panels is sheet steel. The sheet metal is galvanized on both sides and then a plastic color coating is applied.

Other colors and coating systems on request. Standard aluminum sheet is available with RAL 9001 or RAL 9006 polyester lacquer.

The colors listed here (such as 9002) approximate the RAL color standard. Please also note: The color patterns are print reproductions and are only approximations.

Minimum quantities apply for special colors.

Please contact us about availability and delivery date.
We look forward to helping you.

For more information, please visit our website:
www.romakowski.com

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