

TECHNICAL INSULATION

Product catalogue

Shaped for the industrial insulation market



Content



Wherever you are in the world...

We meet the highest standards

Manufacturing facilities
 Sales offices

We serve clients worldwide with a global product range that fits their local needs

We hear you

In today's world economy, a growing number of industrial businesses span the globe. You can be headquartered in Europe or North America and have production plants on every continent. Wherever you are, you need to have your challenges met locally. But to ensure your production sites operate safely and efficiently, you need universal solutions you can apply from Asia to South America.

Let's tackle your challenges

And that's not all. The industries of tomorrow face big global challenges. Not least climate change and the energy challenge it poses. ROCKWOOL® helps shape this developing world with solutions based on the natural power of stone. We're finding increasingly innovative ways to tackle these challenges and build industries and cities, so they are better for the environment and better for the people who live and work in them. The proof? Based on the natural power of stone, we have identified the 7 inherent strengths that reflect the versatile properties of stone wool.

Unique global product portfolio In our universal ProRox product range, ROCKWOOL® Technical Insulation offers durable and sustainable stone wool insulation solutions to the petrochemicals, power generation, refining and gas processing industries. At the same time, we have the expertise and flexibility to meet specific local needs. We keep a close eye on megatrends to ensure our product portfolio stays relevant to the most pressing issues facing our world.

"We think global and act local – just as much as we do the other way around."

This product catalogue clearly presents our unique and universal ProRox® product range, including thermal, fire-resistant, compression, multi-purpose and acoustic insulation solutions that can be effortlessly combined and fulfil your requirements and standards perfectly. Our product selector will help you find the right product. Keep it close by. It's a helpful tool when applying any of our ProRox insulation solutions in any process environment, wherever you are.

For insight into our product range for the Marine and Offshore market, please see our SeaRox Products & Solutions brochure.

John Mogensen ROCKWOOL Technical Insulation Managing Director

What's our purpose?

Releasing the natural power of stone to enrich modern living



This is how our range of products enriches modern living and addresses global challenges

There is something uniquely exciting about turning an abundant natural resource into products that enrich people's lives today and start to tackle planetary change. As we look to the future, stone wool and the products we make with it will play an increasingly significant role in tackling two of the megatrends that impact virtually every aspect of modern society – urbanisation and climate change. As more and more people flock to cities and the consequences of climate change begin to bite, there will be a mounting demand for housing, industry and energy.

Stone and civilisation go hand in hand

ROCKWOOL leverages the 7 strengths of stone to create products that meaningfully address the biggest challenges facing our world. The need to balance fast-paced urban life and human health and wellbeing presents challenges ROCKWOOL aims to overcome. We've spent the last eight decades investigating how we can turn these challenges into unique opportunities. The answer was right in front of us the whole time: stone.

Protecting people and assets

Since 1936 we have utilized the 7 strengths of stone in a broad product range with the aim of making people's lives safer, ensure operational efficiency and take care of the environment while delivering best value for your business. Even 80 years into our journey, as stone wool experts, we know there's still so much to learn. Our new stone innovations create opportunities and help us tackle the challenges tomorrow holds. In a sense, this is just the beginning.



Why is our brand symbol a volcano?

The volcano stands as the source of the natural stone we use in our stone wool solutions. Volcanic rock is an inexhaustible natural resource. We use it to create high-quality, durable products with a long lifespan that meet the needs of modern living. Our solutions help meet global challenges, including reducing CO₂ emissions.

strengths of stone

There is something truly remarkable about the natural power of stone



Fire-resilience

Withstands temperatures above 1000°C (1800°F).

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Thermal properties

Saves energy and reduces thermal losses to an absolute minimum by maintaining optimum temperatures also during transfer or storage.



Acoustic capabilities

Reduces noise.



Robustness

Longer-lasting performance and sturdiness with easier installation.



Water properties

When engineered to repel water, stone wool can defend valuable industrial equipment from CUI.



Aesthetics

Matches performance with aesthetics: see our sister brands Rockfon and Rockpanel.



Circularity

Reusable and recyclable material.

ProRox insulation

Our ProRox products combine most of the 7 strengths of stone with one ambitious goal in mind: to minimise the human impact on our surroundings, whilst maximising the safety and wellbeing of all the people interacting with our products.

ROCKWOOL stone wool is made from materials that nature itself produces in abundant quantities, one of the earth's inexhaustible resources - volcanic rock. In addition, stone wool withstands temperatures above 1000°C (1800°F), making it highly fire resilient. This means our ProRox product line improves the fire resistance of any technical installation.

Moreover, thanks to its thermal properties the heat stays in the pipework, tanks, columns, vessels, chimneys and boilers. Energy loss and CO_2 emissions are minimized and people are protected from burns (by thermal exposure or contact with hot surfaces). And talking of protection: stone wool has significant acoustic capabilities, keeping the noise down in any industrial environment.

At the same time, stone wool absorbs less water and dries faster, so the insulation maintains its optimal performance, mitigating the risk of CUI (corrosion under insulation).

Discover all the strengths of stone wool at **rti.rockwool.com**.

Product selector for industrial application

Find the right solution for the European, Middle East & African market

			Operating temperature					
1 Purpose	2 Applications	3 Requirements	T ≤ 350°C/660°F	T > 350°C/660°F				
		$\emptyset \leq 300 \text{ mm}$ (12") without support construction						
		$\emptyset \leq 300 \text{ mm}$ (12") with support construction*						
		\varnothing > 300 mm (12") without support construction						
	Pipework	\emptyset > 300 mm (12") with support construction						
		Subject to mechanical loads						
		Bends and fittings		•				
		Wall - light and flexible solution						
	Storage tanks	Wall - rigid and resilient solution		•				
	Storage tanks	Tank roof subjected to light foot traffic						
Thermal		Tank roof subjected to heavy foot traffic		•				
insulation	Boilers	Tube boiler						
	Dollers	Steam generator/reactor		•				
	Columns	Cracking		•				
	Columns	Light fraction						
	Air pollution control	Electrostatic precipitator						
		Flue gas ducts/chimneys						
	Furnaces							
	Gas separation plants	Cold boxes						
	Other	Irregular surface						
Ш		Ø < 300 mm (12")						
<u>ペッ</u> Acoustic	Pipework & fittings	300 mm $\leq \emptyset > 650$ mm (12" $\leq \emptyset > 25$ ")						
insulation		650 mm ≤ Ø > 1000 mm (25 " ≤ Ø > 39 ")						

Here's how it works!

- 1 Define your **key purpose of insulation**.
- 2 Select the **right application**.
- 3 Check all requirements and choose the right operating temperature.
- 4 Find the advised ProRox solution. Go to the product page.



4 Advised solut	tion			Com	pliance	es & ce	rtificat	ion**			
Product	Page	CE Mark EN14303	VDI Keymark	AGI Q 118	PMUC	VW 3.10.7	MED	ISO 15665***	ASTM***	CINI	Remarks
ProRox PS 960 👋	14								C547	2.2.03	
ProRox PS 960 🚷	14								C547	2.2.03	
ProRox PS 960 🛞	14								C547	2.2.03	
ProRox WM 951 🚷	18								C592	2.2.02	ProRox WM 950 SW (for T > 400°C/750°F) ProRox WM 950 (for indoor applications)
ProRox PS 970 🚷	16								C547	2.2.03	
ProRox WM 951 👹	18								C612	2.2.02	ProRox WM 950 (for indoor applications)
ProRox SL 930	30								C612	2.2.01	
ProRox SL 950	32								C612	2.2.01	
ProRox SL 550	26								C612	2.2.01	
ProRox SL 586	28								C612	2.2.01	
ProRox WM 951 👹	18								C592	2.2.02	ProRox WM 950 (for indoor applications)
ProRox WM 961 🤯	20								C592	2.2.02	ProRox WM 960 (for indoor applications)
ProRox WM 961 👹	20								C592	2.2.02	ProRox WM 960 (for indoor applications)
ProRox SL 950	32								C612	2.2.01	
ProRox WM 951 🖓	18								C592	2.2.02	
ProRox SL 960	34									2.2.01	
ProRox WM 961 🚷	20								C592	2.2.02	
ProRox GR 903	37										
ProRox LF 970	36									2.2.04	
ProRox PS 960 🛛 🚷	14								C547	2.2.03	
ProRox PS 960 🛞	14					•	•	•	C547	2.2.03	
ProRox WM 951 🛞	18					•			C592	2.2.02	ProRox WM 950 (for indoor applications)
♂ = with WR-Tech, see p.12-13					n Europea n selected				ities		

Find the advised product here

Quick and easy

* Pipework with support construction: at temperatures above 350°C/660°F, the provisional application of spacers should be determined in each individual case.

** Compliances & certification: get an overview of the norms and standards and make sure they cover your design and equipment requirements.

*** For more details on ASTM and ISO 15665 please contact ROCKWOOL Technical Insulation.

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ProRox universal solutions for industrial applications

With our ProRox range we created a unique global product portfolio that in all its simplicity and effectiveness will deliver the best value for money when insulating your installation. Our 4 key product categories contain all essential components and in their various combinations will resolve any insulation challenge whether big or small.

We have listened closely to our customers who need to keep their plant operations efficient, environmentally friendly and safe.

Based on this feedback, we thoroughly reviewed all of our insulation solutions to identify their fundamental qualities.

ProRox Product overview

Mandrel-wound pipe sections DH

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Slabs (boards) BCEF

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Granulates & loose wool G

ProRox LF 970	36
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Through the ProRox range, we offer a wide assortment of high-quality stone wool insulation products for sustainable insulation of industrial and power generation plants. Each of our products is developed with a specific field of application (e.g. pipework, boilers, vessels, columns and storage tanks) in mind.





Our produc a logical str	uctu	re	
Each product name is struct			
e.g.: ProRox PS	900 A		
Product range 🚽 🕌			
	►	2 last digits = refer to other product characteristics	
Product identifier: 🚽	¦►	Application code:	
WM = Wired Mats		1st digit:	
SL = Slabs		5 = Compressive strength	
MA = Mats		9 = Thermal insulation	
PS = Pipe Sections			
GR = Granulate		Product facings: <	
		ALU = reinforced aluminium foil facing	



Don't let water take hold of your plant

ROCKWOOL ProRox solutions with WR-Tech™



Combat CUI with the unique Water Repellency Technology WR-Tech

Corrosion under insulation (CUI) is a major issue in the industry. Our next generation ProRox stone wool insulation products with WR-Tech helps you get to grips with CUI. How? WR-Tech is an advanced Water Repellency Technology based on a unique binder that repels water. As such it **ensures the lowest possible water absorption**, also after heating and aging, **lowering the risk of CUI**. But that's not all. WR-Tech also **reduces thermal losses**, **saves energy** and covers all applications, such as pipes, vessels and columns. So, thanks to this innovative technology we can help keep your plant safe, ensure operational effectiveness, reduce environmental impact and lower maintenance cost. Here's the proof.

WR-Tech has all the qualities to protect and optimize your plant

LOWEST WATER ABSORPTION

The highest water repellency (<0.2 kg/m²) reduces water **absorption fivefold** compared with the best available standard, EN 13472, maximizing water flow away from **SILICONE OIL-FREE** insulation material. And there is no reduction in maximum water repellency after heating and aging. Complies with VW specification PV 3.10.7, does not result in < 5X LESS WATER ABSORPTION, fish-eyes, usable in paint shops. **EVEN AFTER HEATING AND AGING** with PATENT PENDING LOW WATER LEACHABLE **CHLORIDE CONTENT** Safe to use over steel (<10 ppm).

Complies with strict industry standards ASTM C795 and EN 13468.

FASTEST WATER DISSIPATION

The vapor open structure ensures that water can evaporate freely if it could reach the pipe surface and ensures the fastest dry-out time under ASTM C1763.



We have a winner!

WR-Tech™, our revolutionary Water Repellency Technology for combatting corrosion under insulation, was a winner at the 2019 Materials Performance Corrosion Innovation of the Year Awards.



ProRox PS 960

with WR-Tech

Product description

ProRox PS 960 is a mandrel-wound stone wool insulation pipe section. The pipe sections are produced with an innovative water-repellent binder, known as WR-Tech™, to mitigate the risk of corrosion under insulation (CUI). WR-Tech ensures our stone wool maintains its superior water repellency even at elevated operating temperatures within the CUI range, while preserving its excellent thermal performance in use.

Application

The highly durable insulation sections come split and hinged for easy snap-on assembly and are especially suitable for the thermal and acoustic insulation of industrial pipework, marine and offshore installations.

For Europe, Middle East & Africa: – Diameter range: 28 mm to 915 mm - Insulation thickness: 20 mm to 200 mm

ROCKWOO

A ROCKWA

For North America:

Available dimensions:

- Diameter range: 1" to 36"
- Insulation thickness: 1/2" to 36"

Product variances:

- Reinforced aluminium foil facing is available upon request for the European, Middle East and African markets.

Assembly

Fit the ProRox PS 960 closely around the pipe, with the lengthwise (horizontal) joint facing downwards. The lengthwise joints must be staggered at an angle of at least 30 degrees to each other. The shell is secured with galvanised binding wire, steel bands or other equivalent means, suitable for the service conditions and compatible with the cladding or protective material. In a multi-layer insulation scenario, staggering the lengthwise and crosswise joints is recommended ('masonry bond').

Support construction

Support structures or spacers are needed for pipes that are expected to be subjected to mechanical loads (e.g. strong vibrations) or a temperature higher than 350°C (660°F).

Protection

All pipe sections should be protected with weather resistant cladding suitable for the service conditions. The joints should be made with an appropriate overlap to ensure that water runs off the construction. Where necessary, expansion joints are required. The cladding should be mounted securely to ensure both lengthwise and circular joints are tight. Connections to

mountings, head and end caps, etc. should be made watertight using an appropriate sealant.

Notes

- All steel components exposed to a corrosive environment should be cleaned, degreased and coated with a protective finish.
- Local requirements (standards and specifications) for installation, support construction and cladding must be complied with.



guidelines, read the **ProRox** Process Manual

Product benefits

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- ProRox solutions with WR-Tech mitigate the effects of CUI and so ensure the safe and optimal performance of your plant
 - Safe to use over stainless steel
- Pre-formed pipe sections ensure easy and fast installation
- Available in a wide range of diameters and thicknesses
- Excellent pipe fit and low water absorption prevents heat losses and secures an optimal thermal performance

Mandrel-wound pipe section



Product properties in accordance with EN 14303

Properties				Performa	nce				Norms				
Thermal conductivity	T _m (°C)	T _m (°C) 50 100		150 200		250	300	350	EN ISO 8497				
at mean temperature	λ (W/mK)	0.040	0.046	0.054	0.064	0.077	0.092	0.112	EN 150 8497				
Naximum service temperature	In case	650°C In case of aluminium facing the outer foil temperature should be limited to 80°C											
Reaction to fire		Euroclass A1 _L Euroclass A2 _L -S1,d0 (for alu-foil faced product) Non-combustible Low flame spread characteristics											
Nominal density (*)		EN 13470											
Corrosion resistance		EN 13468											
Vater absorption		EN 13472											
Nater vapour diffusion resistance		EN 14303											
nfluence on coating systems	Free	VW 3.10.7											
Designation code		EN 14303											

(*) ProRox insulation fully complies with EN 14303. Density is not an insulation property in itself, it simply reflects the actual weight of the product per cubic meter.

- Compliance Validity of CE marking is restricted to European production facilities.A full overview of all ProRox PS 960
- compliances can be found on page 9.

Thermal conductivity at mean temperature



ProRox PS 970

with WR-Tech

Product description

ProRox PS 970 is a mandrel-wound stone wool insulation pipe section. The pipe sections are produced with an innovative water-repellent binder, known as WR-Tech[™], to mitigate the risk of corrosion under insulation (CUI). WR-Tech ensures our stone wool maintains its superior water repellency even at elevated operating temperatures within the CUI range, while preserving its excellent thermal performance in use.

Application

The highly durable insulation sections come split and hinged for easy snap-on assembly and are especially suitable for the thermal and acoustic insulation of high-temperature industrial pipework subjected to mechanical loads.

Mandrel-wound pipe section



Available dimensions:

For Europe, Middle East & Africa:

- Diameter range: 28 mm to 915 mm
- Insulation thickness: 20 mm to 200 mm

Product variances:

 Reinforced aluminium foil facing is available upon request.

Assembly

Fit the ProRox PS 970 closely around the pipe, with the lengthwise (horizontal) joint facing downwards. The lengthwise joints must be staggered at an angle of at least 30 degrees to each other. The shell is secured with galvanised binding wire, steel bands or other equivalent means, suitable for the service conditions and compatible with the cladding or protective material. In a multi-layer insulation scenario, staggering the lengthwise and crosswise joints is recommended ('masonry bond').

Support construction

Support structures or spacers are needed for pipes that are expected to be subjected to mechanical loads (e.g. strong vibrations) or a temperature higher than 350°C (660°F).

Protection

All pipe sections should be protected with weather resistant cladding suitable for the service conditions. The joints should be made with an appropriate overlap to ensure that water runs off the construction. Where necessary, expansion joints are required. The cladding should be mounted securely to ensure both lengthwise and circular joints are tight. Connections to mountings, head and end caps, etc. should be made watertight using an appropriate sealant.

Notes

- All steel components exposed to a corrosive environment should be cleaned, degreased and coated with a protective finish.
- Local requirements (standards and specifications) for installation, support construction and cladding must be complied with.



or more informatior about installation guidelines, read the **ProRox Process Manual**.

Product benefits

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- ProRox solutions with WR-Tech mitigate the effects of CUI and so ensure
- the safe and optimal performance of your plan
- Safe to use over stainless steel
- Pre-formed pipe sections ensure easy and fast installation
- Available in a wide range of diameters and thicknesses
- Applicable to pipework subjected to mechanical loads
- Excellent pipe fit and low water absorption prevents heat losses and secures optimal thermal performance, even at high temperatures and when subjected to high mechanical loads



Product properties in accordance with EN 14303

Properties				Performa	nce				Norms				
Thermal conductivity	T _m (°C)	50	100	150	200	250	300	350	EN ISO 8497				
t mean temperature	λ (W/mK)	0.040	0.046	0.053	0.062	0.073	0.085	0.099	EN 130 8497				
laximum service temperature	In case	680°C In case of aluminium facing the outer foil temperature should be limited to 80°C											
Reaction to fire		Euroclass A1 _L Euroclass A2 _L -S1,d0 (for alu-foil faced product) Non-combustible Low flame spread characteristics											
Nominal density (*)		EN 13470											
Corrosion resistance		EN 13468											
Vater absorption		EN 13472											
Vater vapour Jiffusion resistance		EN 14303											
nfluence on coating systems	Free	VW 3.10.7											
Designation code		EN 14303											

(*) ProRox insulation fully complies with EN 14303. Density is not an insulation property in itself, it simply reflects the actual weight of the product per cubic meter.

- Compliance Validity of CE marking is restricted to
- Validity of CE marking is restricted to European production facilities.
 A full overview of all ProRox PS 970 compliances can be found on page 9.

Thermal conductivity at mean temperature



NEW ProRox WM 951

with WR-Tech

Product description

ProRox WM 951 is a lightly bonded stone wool insulation mat stitched on galvanized wire mesh with galvanized wire. The wired mats are produced with an innovative water-repellent binder, known as WR-Tech™, to mitigate the risk of corrosion under insulation (CUI). WR-Tech ensures our stone wool maintains its superior water repellency even at elevated operating temperatures within the CUI range, while preserving its excellent thermal performance in use.

Application

The wired mats are suitable for the thermal and acoustic insulation of industrial installations exposed to the environment, such as outdoor industrial pipework and equipment at petrochemical plants and refineries.



Assembly

Wired mats are flexible mats that fit various geometries and surface structures. On flat surfaces, wired mats must be secured with at least six pins per square metre. On pipes, wired mats should be cut to length and fitted with slight pre-stressing. All the lengthwise and crosswise joints must be sewn or wired together or joined with six mat (wrap) hooks per metre. If the insulation is assembled in multiple layers, the joints of the individual insulation layers must be staggered ('masonry bond'). When stainless steel pipes are used or the operating temperature is >400°C (750°F), ProRox WM 951 SW is recommended, as both mesh and stitching wire are stainless steel.

Support construction

Wired mats are not strong enough to bear the weight of the cladding, so spacers or supports should be used. The position and distance between supports depend on the installation type.

Protection

Wired mats should be protected with weather resistant cladding suitable for the service conditions. The joints should be made with an appropriate overlap to ensure that water runs off the construction. Where necessary, expansion joints are required. The cladding should be mounted securely to ensure both lengthwise and circular joints are tight. Connections to other components should be made watertight using an appropriate sealant.

Notes

- All steel components exposed to a corrosive environment should be cleaned, degreased and coated with a protective finish.
- Local requirements (standards and specifications) for installation, support construction and cladding must be complied with.

Available dimensions:

For Europe, Middle East & Africa:

- Standard thickness: 40 mm to 120 mm
- Width: 500 mm and 1000 mm
- Length: varies per thickness

Product variances:

- Stainless steel mesh, stainless steel binding wire and/or reinforced aluminium foil facing are available upon request.



the **ProRox** Process Manual.

Product benefits

 \bigtriangledown

- the safe and optimal performance of your plant
- Safe to use over stainless steel
- Easy to install when flexibility is required
- Available in a wide range of thicknesses
- Excellent fit and low water absorption prevents heat losses and secures optimal thermal performance, even at high temperatures

Wired mat



Product properties in accordance with EN 14303

Toduct properties in accordance with EN 14505													
Properties					F	Performa	ance						Norms
Thermal conductivity	T (°C)	50	100	150	200	250	300	350	400	500	600	640	EN 12667
	λ (W/mK)	0.039	0.045	0.053	0.062	0.072	0.084	0.097	0.112	0.146	0.192	0.213	
Maximum service temperature	640°C												EN 14706
Reaction to fire		Euroclass A1 Non-combustible											
Nominal density	80 kg/m³												EN 1602
Corrosion resistance		Trace quantity of water leachable chloride ions: ≤ 10 ppm											
Water absorption			2	0.2 kg/r		≤ 0.2 kg 24 hrs. p		ing at 2	50°C)				EN 1609
Water vapour diffusion resistance		μ = 1											
Influence on coating systems		Free from substances (e.g. silicone oil) that might impair surface wetting											
Designation code (*)				MW	EN 1430	3-T2-ST(+)640-W	/S1-CL1(C				EN 14303

(*) Thickness class declared under the load of 1000 Pa.

Compliance

- Validity of CE marking is restricted to
- European production facilities. A full overview of all ProRox WM 951 compliances can be found on page 9.



NEW ProRox WM 961

with WR-Tech

Product description

ProRox WM 961 is a lightly bonded heavy-duty stone wool insulation mat stitched on galvanized wired mesh with galvanized wire. The wired mats are produced with an innovative water-repellent binder, known as WR-Tech™, to mitigate the risk of corrosion under insulation (CUI). WR-Tech ensures our stone wool maintains its superior water repellency even at elevated operating temperatures within the CUI range, while preserving its excellent thermal performance in use.

Application

The wired mats are suitable for the thermal and acoustic insulation of industrial installations exposed to the environment, such as outdoor industrial pipework, reactors and furnaces at petrochemical plants and refineries.



Assembly

Wired mats are flexible mats that fit various geometries and surface structures. On flat surfaces, wired mats must be secured with at least six pins per square metre. On pipes, wired mats should be cut to length and fitted with slight pre-stressing. All the lengthwise and crosswise joints must be sewn or wired together or joined with six mat (wrap) hooks per metre. If the insulation is assembled in multiple layers, the joints of the individual insulation layers must be staggered ('masonry bond'). When stainless steel pipes are used or the operating temperature is >400°C (750°F), ProRox WM 961 SW is recommended, as both mesh and stitching wire are stainless steel.

Support construction

Wired mats are not strong enough to bear the weight of the cladding, so spacers or supports should be used. The position and distance between supports depend on the installation type.

Protection

Wired mats should be protected with weather resistant cladding suitable for the service conditions. The joints should be made with an appropriate overlap to ensure that water runs off the construction. Where necessary, expansion joints are

required. The cladding should be mounted securely to ensure both lengthwise and circular joints are tight. Connections to other components should be made watertight using an appropriate sealant.

Notes

- All steel components exposed to a corrosive environment should be cleaned, degreased and coated with a protective finish.
- Local requirements (standards and specifications) for installation, support construction and cladding must be complied with.



For more information the **ProRox** Process Manual

Available dimensions:

For Europe, Middle East & Africa:

- Standard thickness: 40 mm to 120 mm
- Width: 500 mm and 1000 mm
- Length: varies per thickness

Product variances:

- Stainless steel mesh, stainless steel binding wire and/or reinforced aluminium foil facing are available upon request.

Product benefits

- the safe and optimal performance of your plant
- Safe to use over stainless steel
- \forall
 - Available in a wide range of thicknesses
 - Resistant to high temperatures and mechanical loads
- Ŋ Excellent fit and low water absorption prevents heat losses and secures optimal thermal performance, even at high temperatures

Wired mat



Product properties in accordance with EN 14303

roduct properties in accordance with Ere 14505													. 60.7
Properties					F	erforma	ance						Norms
Thermal conductivity	T (°C)	50	100	150	200	250	300	350	400	500	600	660	EN 12667
	λ (W/mK)	0.039	0.045	0.052	0.059	0.068	0.078	0.089	0.102	0.131	0.167	0.191	
Maximum service temperature		EN 14706											
Reaction to fire		Euroclass A1 Non-combustible											
Nominal density	100 kg/m³												EN 1602
Corrosion resistance		Trace quantity of water leachable chloride ions: ≤ 10 ppm											
Water absorption			≤	0.2 kg/r		≤ 0.2 kg 24 hrs. µ	/m² ore-heat	ing at 25	50°C)				EN 1609
Water vapour diffusion resistance		μ = 1											
Influence on coating systems		Free f	rom sub	stances	(e.g. silio	cone oil)	that mig	ght impa	air surfac	e wettin	g		VW 3.10.7
Designation code (*)				MW	EN 1430	3-T2-ST(+)660-W	/S1-CL1(0				EN 14303

(*) Thickness class declared under the load of 1000 Pa.

Compliance

- Validity of CE marking is restricted to European production facilities. A full overview of all ProRox WM 961
- compliances can be found on page 9.



ProRox WM 950

Product description

ProRox WM 950 is a lightly bonded stone wool insulation mat stitched on galvanized wire mesh with galvanized wire.

Application

The wired mats are suitable for the thermal and acoustic insulation of industrial installations exposed to the environment when high-temperature resistance is demanded, such as industrial pipework, reactors and hot columns at petrochemical plants and refineries.



Assembly

Wired mats are flexible mats that fit various geometries and surface structures. On flat surfaces, wired mats must be secured with at least six pins per square metre. On pipes, wired mats should be cut to length and fitted with slight prestressing. All the lengthwise and crosswise joints must be sewn or wired together or joined with six mat hooks per metre. If the insulation is assembled in multiple layers, the joints of the individual insulation layers must be staggered ('masonry bond'). When stainless steel pipes are used or the operating temperature is >400°C (750°F), ProRox WM 950 SW is recommended, as both mesh and stitching wire are stainless steel.

Support construction

Wired mats are not strong enough to bear the weight of the cladding, so spacers or supports should be used. The position and distance between supports depend on the installation type.

Protection

Wired mats should be protected with weather resistant cladding suitable for the service conditions. The joints should be made with an appropriate overlap to ensure that water runs off the construction. Where necessary, expansion joints are required. The cladding should be mounted securely to ensure both lengthwise and circular joints are tight. Connections to other components should be made watertight using an appropriate sealant.

Notes

- All steel components exposed to a corrosive environment should be cleaned, degreased and coated with a protective finish.
- Local requirements (standards and specifications) for installation, support construction and cladding must be complied with.



For more information about installation guidelines, read the **ProRox Process Manual**.

Wired mat

Available dimensions:

For Europe, Middle East & Africa:

- Standard thickness: 40 mm to 120 mm
- Width: 500 mm and 1000 mm
- Length: varies per thickness

Product variances:

 Stainless steel mesh, stainless steel binding wire and/or reinforced aluminium foil facing are available upon request.

Product benefits

- - Easy to install when flexibility is required
 - Available in a wide range of thicknesse
 - Excellent fit prevents heat loss and secures optimal thermal performance, even at high temperatures



Product properties in accordance with EN 14303

												- M.C	
Properties					F	Performa	ance						Norms
Thermal conductivity	T (°C)	T (°C) 50 100 150 200 250 300 350 400 500 600 640											EN 12667
	λ (W/mK)	0.039	0.045	0.053	0.062	0.072	0.084	0.097	0.112	0.146	0.192	0.213	
Maximum service temperature		640°C											
Reaction to fire		Euroclass A1 Non-combustible											
Nominal density	80 kg/m³												EN 1602
Corrosion resistance			Trace o	quantity	of water	leachab	ole chlori	ide ions:	≤ 10 pp	m			EN 13468
Water absorption						<1 kg/	m²						EN 1609
Water vapour diffusion resistance	μ = 1												EN 14303
Designation code (*)				MW	EN 1430	3-T2-ST(+)640-W	/S1-CL10)				EN 14303

(*) Thickness class declared under the load of 1000 Pa.

Compliance

- Validity of CE marking is restricted to European production facilities.
- A full overview of all ProRox WM 950 compliances can be found on page 9.



ProRox WM 960

Product description

ProRox WM 960 is a lightly bonded heavy-duty stone wool insulation mat stitched on galvanized wired mesh with galvanized wire.

Application

The wired mats are especially suitable for the thermal insulation of industrial applications when high-temperature resistance is demanded, such as high-pressure steam pipes, reactors and furnaces.



Assembly

Wired mats are flexible mats that fit various geometries and surface structures. On flat surfaces, wired mats must be secured with at least six pins per square metre. On pipes, wired mats should be cut to length and fitted with slight prestressing. All the lengthwise and crosswise joints must be sewn or wired together or joined with six mat hooks per metre. If the insulation is assembled in multiple layers, the joints of the individual insulation layers must be staggered ('masonry bond'). When stainless steel pipes are used or the operating temperature is >400°C (750°F), ProRox WM 960 SW is recommended, as both mesh and stitching wire are stainless steel.

Support construction

Wired mats are not strong enough to bear the weight of the cladding, so spacers or supports should be used. The position and distance between supports depend on the installation type.

Protection

Wired mats should be protected with weather resistant cladding suitable for the service conditions. The joints should be made with an appropriate overlap to ensure that water runs off the construction. Where necessary, expansion joints are required. The cladding should be mounted securely to ensure both lengthwise and circular joints are tight. Connections to other components should be made watertight using an appropriate sealant.

Notes

- All steel components exposed to a corrosive environment should be cleaned, degreased and coated with a protective finish.
- Local requirements (standards and specifications) for installation, support construction and cladding must be complied with.



For more information about installation guidelines, read the **ProRox Process Manual**.

Wired mat

Available dimensions:

For Europe, Middle East & Africa:

- Standard thickness: 40 mm to 120 mm
- Width: 500 mm and 1000 mm
- Length: varies per thickness

Product variances:

 Stainless steel mesh, stainless steel binding wire and/or reinforced aluminium foil facing are available upon request.

Product benefits

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-) Safe to use over stainless steel
 - Easy to install when flexibility is required
 - Available in a wide range of thicknesses
 - Resistant to high temperatures and mechanical loads
- Excellent fit prevents heat loss and secures optimal thermal performance, even at high temperatures



Product properties in accordance with EN 14303

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Properties					F	Perform	ance						Norms	
Thermal conductivity	T (°C)	50	100	150	200	250	300	350	400	500	600	660	EN 12667	
mermarconductivity	λ (W/mK)	0.039	0.045	0.052	0.059	0.068	0.078	0.089	0.102	0.131	0.167	0.191		
Maximum service temperature		660°C												
Reaction to fire		Euroclass A1 Non-combustible												
Nominal density	100 kg/m³												EN 1602	
Corrosion resistance			Trace of	quantity	of water	leachab	ole chlori	ide ions:	≤ 10 pp	m			EN 13468	
Water absorption						<1 kg/	m²						EN 1609	
Water vapour diffusion resistance		μ = 1												
Designation code (*)				MW	EN 1430	3-T2-ST(+)640-W	/S1-CL1()				EN 14303	

(*) Thickness class declared under the load of 1000 Pa.

Compliance

- Validity of CE marking is restricted to European production facilities.
 A full overview of all ProRox WM 960
- compliances can be found on page 9.



NEW ProRox SL 550

Rigid slab (board)

Product description

ProRox SL 550 is a strong, rigid stone wool insulation slab (board).

Application

The slab (board) is suitable for the thermal and acoustic insulation of industrial applications subjected to mechanical loads, such as tank roofs.





Available dimensions:

For Europe, Middle East & Africa:

- Standard thickness: 50 mm to 100 mm

- Width: 600 mm
- Length: 1000 mm

Assembly

For cone and dome roofs the radial segments with raised edges can be applied for covering the insulation slabs. Slabs in a multilayer system shall be applied with staggered joints. In case of heavy load pressure, it is recommended to use ProRox SL 550 as a bottom layer in combination with ProRox SL 586 as a top layer to increase point load resistance.

Protection

Slabs should be finished with a weather resistant cladding suitable for the service conditions. Generally, on top of roofs, a metal sheet cladding with a radial or "riveted" segment arrangement is applied. As tank roofs are vulnerable to delamination, screws may be damaged (pulled loose). The suction caused by the wind on tank roofs can create delamination forces which unleash the fixings (screws) of the metal cladding. This can be solved by applying a welded steel bar. If welding the roof is not possible, the steel radial segments in the centre of the roof can be hooked together in a ring around the perimeter of the roof. Turnbuckles are used to keep the radials correctly tensioned.

Notes

- All steel components exposed to a corrosive environment should be cleaned, degreased and coated with a protective finish.
- Local requirements (standards and specifications) for installation, support construction and cladding must be complied with.



or more information about installation guidelines, read the **ProRox Process Manual**.

Product benefits

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- Optimized compression resistance especially suitable for tank
- that are subjected to light and occasional foot traffic
 - Product is light in weight and therefore easy to handle during installation
- Suitable as bottom layer insulation for industrial applications subjected to high mechanical loads

CE

Product properties in accordance with EN 14303

Properties			Peri	formance				Norms
Thermal conductivity	T (°C)	10	50	100	150	200	300	EN 12667
	λ (W/mK)	0.038	0.043	0.049	0.056	0.063	0.084	
Maximum service temperature		EN 14706						
Reaction to fire		EN 13501-1						
Nominal density		EN 1602						
Corrosion resistance		EN 13468						
Water absorption			≤	1 kg/m²				EN 1609
Water vapour diffusion resistance				μ = 1				EN 14303
Compressive stress at 10% deformation		EN 826						
Tensile strength perpendicular to faces		EN 1607						
Designation code		EN 14303						

- Compliance
 Validity of CE marking is restricted to European production facilities.
- A full overview of all ProRox SL 550 compliances can be found on page 9.



NEW ProRox SL 586

Pressure-resistant rigid slab (board)

Product description

ProRox SL 586 is a pressure-resistant rigid stone wool insulation slab (board).

Application

The slab (board) is suitable for the thermal and acoustic insulation of hightemperature industrial applications exposed to foot traffic or constructions subjected to heavy mechanical loads, such as tank roofs.





Available dimensions:

For Europe, Middle East & Africa:

- Standard thickness: 40 mm to 100 mm

- Width: 600 mm
- Length: 1000 mm

Assembly

For cone and dome roofs the radial segments with raised edges can be applied for covering the insulation slabs. Slabs in a multilayer system shall be applied with staggered joints.

Protection

Slabs should be finished with a weather resistant cladding suitable for the service conditions. Generally, on top of roofs, a metal sheet cladding with a radial or "riveted" segment arrangement is applied. As tank roofs are vulnerable to delamination, screws may be damaged (pulled loose). The suction caused by the wind on tank roofs can create delamination forces which unleash the fixings (screws) of the metal cladding. This can be solved by applying a welded steel bar. If welding the roof is not possible, the steel radial segments in the centre of the roof can be hooked together in a ring around the perimeter of the roof. Turnbuckles are used to keep the radials correctly tensioned.

Notes

- All steel components exposed to a corrosive environment should be cleaned, degreased and coated with a protective finish.
- Local requirements (standards and specifications) for installation, support construction and cladding must be complied with.



or more information bout installation guidelines, read the **ProRox Process Manual**.

Product benefits

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- Safe to use over stail
- Usable for high mechanical loads such as heavy foot traffic during installation and maintenance
 - Resistance to high and shifting wind suction and snow load
 - Suitable for high temperature applications

CE

Product properties in accordance with EN 14303

Properties					F	Performa	ance						Norms
Thermal conductivity	T (°C)	50	100	150	200	250	300	350	400	500	600	650	EN 12667
Thermal conductivity	λ (W/mK)	0.043	0.048	0.054	0.061	0.068	0.077	0.086	0.097	0.119	0.145	0.160	
Maximum service temperature		EN 14706											
Reaction to fire		EN 13501-1											
Nominal density	150 kg/m³												EN 1602
Corrosion resistance	Trace quantity of water leachable chloride ions: ≤ 10 mg/kg												EN 13468
Water absorption	<1 kg/m ²												EN 1609
Water vapour diffusion resistance						μ = 1							EN 14303
Compressive stress at 10% deformation						50 kPa	a						EN 826
Tensile strength perpendicular to faces						10 kPa	Э						EN 1607
Pointload at 5 mm deformation	400 N												EN 12430
Designation code			MW EN	I 14303-	T4(T3 if	t<60)-ST	(+)650-C	S(10)50-	WS1-CL	10			EN 14303

- Compliance
 Validity of CE marking is restricted to European production facilities.
- A full overview of all ProRox SL 586 compliances can be found on page 9.



ProRox SL 930

Semi-rigid slab (board)

Product description

ProRox SL 930 is a semi-rigid stone wool insulation slab (board).

Application

The slab (board) is suitable for the thermal and acoustic insulation of horizontal and vertical applications requiring a stable insulation product, such as tank walls, vessels and columns.



A second second

Available dimensions:

For Europe, Middle East & Africa:

- Standard thickness: 40 mm to 100 mm
- Width: 600 mm
- Length: 1000 mm

For North America:

- Available solution is ProRox SL 930^{NA}
- Standard thickness: 1" to 6"
- Width: 24"
- Length: 48"

Product variances:

 Reinforced aluminium foil facing is available upon request for the European, Middle East and African markets.

Assembly

Slabs should be fastened with steel pins, steel bands or mounted in cassettes. Slabs in a multilayer system must be secured with staggered joints. Each layer must be secured separately. When aluminium foil facing is used, lengthwise and crosswise joints should be finished with a selfadhesive aluminium tape.

Protection

Slabs should be protected with weather resistant cladding suitable for the service conditions. The joints should be made with an appropriate overlap to ensure that water runs off the construction. Where necessary, expansion joints are required. The cladding should be mounted securely to ensure both lengthwise and circular joints are tight. Connections to other components should be made watertight using an appropriate sealant.

Notes

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- All steel components exposed to a corrosive environment should be cleaned, degreased and coated with a protective finish.
- Local requirements (standards and specifications) for installation, support construction and cladding must be complied with.



For more informatior about installation guidelines, read the **ProRox Process Manual**.

Product benefits

-) 📮 Safe to use ove
- Semi-rigid product combined with aluminium foil ensures a smart,
- smooth surface finish
- Retains its shape
- Product is light in weight and therefore easy to handle during installation
- Resistant to intermediate temperatures

CE

Product properties in accordance with EN 14303

Properties				Performa	nce				Norms				
Thermal conductivity	T (°C)	50	100	150	200	250	300	350	EN 12667				
mermal conductivity	λ (W/mK)	0.040	0.049	0.059	0.070	0.085	0.103	0.122					
Maximum service temperature	In case	EN 14706											
Reaction to fire		EN 13501-1											
Nominal density		EN 1602											
Corrosion resistance		Trace qu	antity of wa	ater leachabl	e chloride ic	ons: ≤ 10 ppr	n		EN 13468				
Water absorption				<1 kg/m	12				EN 1609				
Water vapour diffusion resistance		μ = 1											
Designation code		MW	' EN 14303- ⁻	T4(T3 if t<60)	-ST(+)350-V	VS1 CL10			EN 14303				

- Compliance
 Validity of CE marking is restricted to European production facilities.
 A full overview of all ProRox SL 930 compliances can be found on page 9.



Rigid slab (board)

ProRox SL 950

Product description

ProRox SL 950 is a rigid stone wool insulation slab (board).

Application

The slab (board) is suitable for the thermal and acoustic insulation of hightemperature industrial applications, such as tank walls, vessels and columns.





Available dimensions:

For Europe, Middle East & Africa:

- Standard thickness: 40 mm to 100 mm

- Width: 600 mm
- Length: 1000 mm

Product variances:

 Reinforced aluminium foil facing is available upon request.

Assembly

Slabs should be fastened with steel bands or mechanically fixed with welded pins. Slabs in a multilayer system must be secured with staggered joints. Each layer must be secured separately. When aluminium foil facing is used, lengthwise and crosswise joints should be finished with a self-adhesive aluminium tape.

Protection

Slabs should be protected with weather resistant cladding suitable for the service conditions. The joints should be made with an appropriate overlap to ensure that water runs off the construction. Where necessary, expansion joints are required. The cladding should be mounted securely to ensure both lengthwise and circular joints are tight. Connections to other components should be made watertight using an appropriate sealant.

Notes

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- All steel components exposed to a corrosive environment should be cleaned, degreased and coated with a protective finish.
- Local requirements (standards and specifications) for installation, support construction and cladding must be complied with.



For more information about installation guidelines, read the **ProRox Process Manual**.

Product benefits

- 🗧 🗉 Safe to use c
- Retains its shape
 - Resistant to high temperatures

CE

Product properties in accordance with EN 14303

Properties					F	Performa	ance						Norms		
Thermal conductivity	T (°C)	50	100	150	200	250	300	350	400	500	600	640	EN 12667		
mermal conductivity	λ (W/mK)	0.039	0.045	0.053	0.062	0.073	0.084	0.097	0.112	0.144	0.185	0.203			
Maximum service temperature		640°C													
Reaction to fire		EN 13501-1													
Nominal density		EN 1602													
Corrosion resistance			Trace o	quantity	of water	leachab	le chlor	ide ions:	≤ 10 pp	m			EN 13468		
Water absorption						<1 kg/	m²						EN 1609		
Water vapour diffusion resistance						μ = 1							EN 14303		
Designation code			M	W EN 14	-303-T4(⁻	T3 if t<60	0)-ST(+)&	540-WS1	-CL10				EN 14303		

Compliance

- Validity of CE marking is restricted to European production facilities.
 A full overview of all ProRox SL 950
- compliances can be found on page 9.



Rigid slab (board)

ProRox SL 960

Product description

ProRox SL 960 is a strong, rigid stone wool insulation slab (board).

Application

The slab (board) is suitable for the thermal and acoustic insulation of high-temperature industrial applications, such as boilers, vessels, columns and flue gas ducts.



Assembly

Slabs should be fastened with steel bands or mechanically fixed with welded pins. Slabs in a multilayer system must be secured with staggered joints. Each layer must be secured separately. When aluminium foil facing is used, lengthwise and crosswise joints should be finished with a self-adhesive aluminium tape.

Protection

Slabs should be protected with weather resistant cladding suitable for the service conditions. The joints should be made with an appropriate overlap to ensure that water runs off the construction. Where necessary, expansion joints are required. The cladding should be mounted securely to ensure both lengthwise and circular joints are tight. Connections to other components should be made watertight using an appropriate sealant.

Notes

- All steel components exposed to a corrosive environment should be cleaned, degreased and coated with a protective finish.
- Local requirements (standards and specifications) for installation, support construction and cladding must be complied with.



For more information about installation guidelines, read the **ProRox Process Manual**.

Product benefits

- Safe to use over stainless steel
- Retains i
- െ
 - High thermal performance ensures optimal insulation and improves energy efficiency of installations
 - Resistant to high temperatures



Available dimensions:

For Europe, Middle East & Africa:

- Standard thickness: 40 mm to 100 mm
- Width: 600 mm
- Length: 1000 mm

For North America:

- Available solution is ProRox SL 960^{NA}
- Standard thickness: 1" to 6"
- Width: 24"
- Length: 48"

Product variances:

 Reinforced aluminium foil facing is available upon request for the European, Middle East and African markets.

CE

Product properties in accordance with EN 14303

Properties		Norms												
Thermal conductivity	T (°C)	50	100	150	200	250	300	350	400	500	600	660	EN 12667	
Thermal conductivity	λ (W/mK)	0.040	0.045	0.052	0.060	0.071	0.081	0.094	0.107	0.140	0.175	0.200		
Maximum service temperature	In	660°C In case of aluminium facing the outer foil temperature should be limited to 80°C												
Reaction to fire	Euroclass A1												EN 13501-1	
Nominal density	100 kg/m³												EN 1602	
Corrosion resistance			Trace of	quantity	of water	leachab	ole chlor	de ions:	≤ 10 pp	m			EN 13468	
Water absorption						<1 kg/	m²						EN 1609	
Water vapour diffusion resistance		μ = 1												
Designation code			M	W EN 14	-303-T4(∏3 if t<6	0)-ST(+)&	560-WS1	-CL10				EN 14303	

Compliance

- Validity of CE marking is restricted to
- Validity of CE marking is restricted to European production facilities.
 A full overview of all ProRox SL 960 compliances can be found on page 9.



ProRox LF 970

Product description

ProRox LF 970 is a lightly bonded loose-fill, impregnated stone wool insulation product.

Application

This product is especially suitable for the thermal and acoustic insulation of voids, joints and irregularly formed constructions.

Assembly

Wool is pulled or cut from the felt as filling for irregular spaces or between insulation mattress cladding.





For more information about installation guidelines, read the **ProRox Process Manual**.

Product properties

Properties			Performance										
Thermel conductivity (*)	T (°C) 50 100 150 200 250 300												
Thermal conductivity (*)	λ (W/mK)	0.040	0.049	0.057	0.067	0.075	0.091						
Maximum service temperature		EN 14706											
Reaction to fire		EN 13501-1											
Corrosion resistance		Trace quanti	ty of water lea	achable chlori	de ions: ≤ 10 ∣	opm		EN 13468					
Water absorption		EN 1609											
Water vapour diffusion resistance				μ = 1				EN 12086					

(*) Stuffing density 100 kg/m³.

Compliance

 A full overview of all ProRox LF 970 compliances can be found on page 9.



Loose fill

ProRox GR 903

Product description

ProRox GR 903 is a stone wool insulation product in granulated form.

Application

This product is especially suitable for the thermal insulation of cold boxes and air separation plants.

Assembly

Granulate is applied using an insulation blowing machine.

See the AGI Q 118 standard or plant specifications for the guidelines for using granulate wool in cold applications.

Product benefits

■ Easy to

- Easy to remove for insp
- Complies with the strictest requiremen for insulation of cold boxes
- Chemically inert to steel



Product properties

Properties			Per	formance				Norms				
The survey of the second state of the second s	T (°C)	-180	-140	-100	-60	-20	20	EN 12667				
Thermal conductivity	λ (W/mK) 0.015 0.018 0.022 0.027 0.033 0.034											
Reaction to fire		Euroclass A1										
Corrosion resistance		Trace quanti	ty of water lea	achable chlori	de ions: ≤ 10	ppm		EN 13468				

Compliance

 A full overview of all ProRox GR 903 compliances can be found on page 9.

Thermal conductivity





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2. Simple, intuitive operation with a wide range of calculation options



3. Recommends the optimal product solution



It's this easy:

Rockassist's intuitive design makes it virtually self-explanatory from the get-go.

The input panel offers seven ways to calculate your technical insulation need.

The **Quick Check Mode** provides a speedy recommendation on insulation and thickness. All you do is enter a couple of parameters:

Shape and dimensioning of the insulated objectOperating temperature of the medium

The app gives such data as ambient temperature, windspeed and the cladding type, a default value reflecting real-world practice.

The **Detailed Check** offers the full functionality of Rockassist. You enter the specific object under "Insulation system". The technical insulation is calculated, based on precisely the application situation which you specified.

The advantage: it proposes the optimal insulation solution in terms of insulation thickness and minimal heat loss.

There are an additional five calculation options for experienced engineers and insulation installers who want to use the app in greater depth.



Sign up and start calculating for free!

ROCKWOOL Technical Insulation

ROCKWOOL Technical Insulation is part of the ROCKWOOL Group and is offering advanced technical insulation solutions for the process industry as well as marine & offshore.

At the ROCKWOOL Group, we are committed to enriching the lives of everyone who comes into contact with our solutions. Our expertise is perfectly suited to tackle many of today's biggest sustainability and development challenges, from energy consumption and noise pollution to fire resilience, water scarcity and flooding. Our range of products reflects the diversity of the world's needs, while supporting our stakeholders in reducing their own carbon footprint.

Stone wool is a versatile material and forms the basis of all our businesses. With approx. 11,700 passionate colleagues in 39 countries, we are the world leader in stone wool solutions, from building insulation to acoustic ceilings, external cladding systems to horticultural solutions, engineered fibres for industrial use to insulation for the process industry and marine & offshore. All explanations correspond to our current range of knowledge and are therefore up-to-date. The examples of use outlined in this document serve only to provide a better description and do not take special circumstances of specific cases into account. ROCKWOOL Technical Insulation places great value upon continuous development of products, to the extent that we too continuously work to improve our products without prior notice. We therefore recommend that you use the most recent edition of our publications, as our wealth of experience and knowledge is always growing. Should you require related information for your specific application or have any technical queries, please contact our sales department or visit our website **rti.rockwool.com**.



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