PAROC® HVAC MAT ALUCOAT

OWENS CORNING® PAROC®

BENEFITS

WIDE RANGE OF DIAMETERS:

- Lightweight, flexible solution due to the horizontal fibre orientation suitable for a wide range of duct diameters

QUICK ASSEMBLY ALSO ON COMPLEX SHAPES:

- The product flexibility makes the installation process more efficient, allowing the mat to easily adapt to possible complex shapes of ducts and other HVAC systems
- • Available in 2 widths (1000 mm or
- 2 x 500 mm) supports flexible handling

REDUCTION OF CONDENSATION RISK:

- PAROC® Hvac Mat AluCoat has a water vapour-resistant barrier made of reinforced aluminium foil. When used with PAROC® AluCoat tape, it enables easy and accurate installation with precise joint sealing, reducing the risk of condensation and water vapour permeability

LESS TAPE NEEDED:

- For larger diameter ducts, the mat length of ≥4 meters simplifies assembly by reducing the number of joints, which in turn minimizes the need for tape. PAROC® provides a complete set of accessories, including PAROC® AluCoat Tape, to ensure correct and professional installation

OPTIMISED PACKAGING:

- Approximately 30% more square meters per package for mats with thicknesses of 80 mm[1] and 100mm[1]
- Small pallet size (1200 x 1200 mm) requires smaller forklifts and needs less storage space; the loading volume on the truck can be doubled
- Pallet hoods for temporary weather protection available

MULTIPLE APPLICATIONS:

- Circular ducts
- Rectangular ducts
- Flat surfaces
- Tanks
- Pipelines

[1]*compared to other PAROC stone wool mats*

ACCESSORIES

PAROC® HVAC DOTS

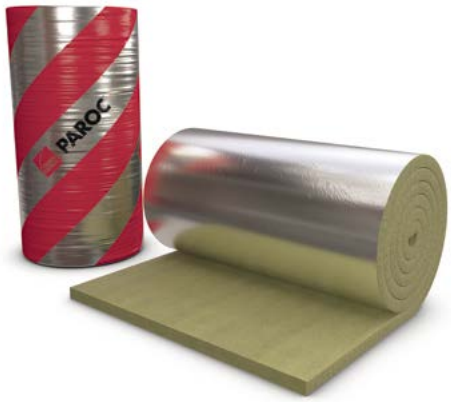
PAROC® PRO KNIFES

PAROC® ALUCOAT TAPE

PAROC® HEAD PIN INSULATED

PAROC® HVAC MAT ALUCOAT

A stone wool insulation mat coated on one side with a reinforced aluminium foil facing.

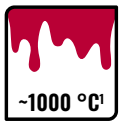


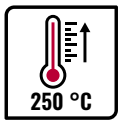
Applications

- The product is a ventilation and air conditioning duct insulation mat designed for thermal insulation and reduction of condensation risk of circular and rectangular ductwork in HVAC systems

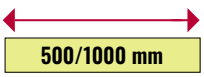
Technical properties

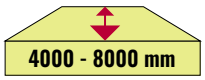
- Does not burn nor contribute to fire spread with a reaction to fire classification of Euroclass A1, according to EN 13501-1
- Suitable for all indoor ventilation and air conditioning ducts and Hvac equipment with medium temperature up to 250°C
- The temperature on the connection between the wool and the facing must not exceed 80 °C
- Short term water absorption (declared) WS, Wp ≤ 1 kg/m³ according to EN 1609
- Low-chloride content according to EN13468 is below 10 ppm what reduces the risk of corrosion
- Designation Code: MW-EN 14303-T2-ST(+/100)250-WS1-MV2-CL10





Datasheet





PAROC® AluCoat Tape
PAROC® Hvac Dots
PAROC® Head Pins Insulated
PAROC® Pro Knife XTK001/003
PAROC® Pallet Hoods

Nominal thermal conductivity λ according to EN 12667

t	°C	10	50	100	150	200	250
$\lambda_{N,P}$	W/mK	0,036	0,046	0,060	0,075	0,093	0,115

[1]*Owens Corning internal test results, June 2023-24 for normal quality control/FPC*

Thickness mm	Length mm	Width mm	Contents of package m²/pack.	Contents m²/pallet
30	8000	1000/500	8,00	168,00
40	7000	1000/500	7,00	147,00
50	7000	1000/500	7,00	147,00
60	7000	1000/500	7,00	147,00
70	5000	1000/500	5,00	105,00
80	5000	1000/500	5,00	105,00
90	4000	1000/500	4,00	84,00
100	4000	1000/500	4,00	84,00

Other insulation dimensions and thicknesses available per request

PAROC® CALCULUS: DESIGN AN ENERGY EFFICIENT INSULATION SOLUTION TAILORED TO YOUR PROJECT

PAROC® Calculus is a technical insulation calculation program for dimensioning thermal insulation for different HVAC and Process Industry applications e.g. pipes, ventilation ducts and process industry tanks. With PAROC® Calculus it is also possible to calculate the heat loss for insulated and uninsulated valves and flanges, which usually increases the risk of heat loss. Additionally, the heat loss caused by thermal bridges in pipe and duct suspensions can be taken into account.

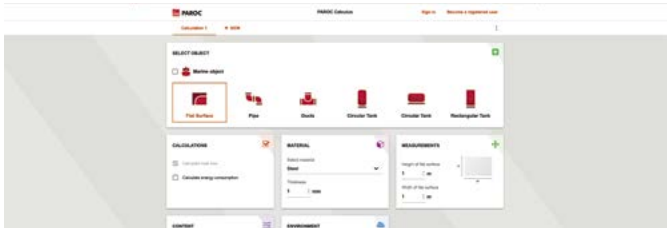
With PAROC® Calculus you can design energy efficient and economical insulation solutions for different HVAC and process industry applications with PAROC products.

PAROC® Calculus features:

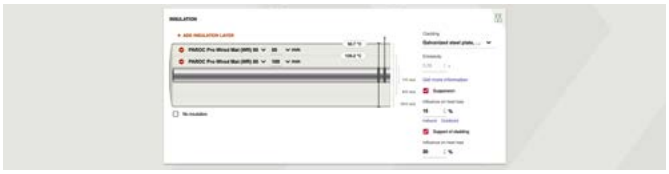
Updated according to ISO 12241:2022

- Easy to use interface
- Works on pc, tablets and mobile phones
- Calculations for heat loss, surface temperature and temperature drop in pipes, ventilation ducts, process industry tanks, valves and flanges.
- Easy input of pipe diameters and duct dimensions (predefined)
- Thermal bridges of pipe and duct suspensions
- Print out your calculations to pdf
- All calculations are based on equations described in the EN ISO 12241 standard.
- Calculation with insulation materials from other manufacturers possible, after specifying the technical properties of the insulation material (for registered users)

Select application



Calculate with surface temperature display - cladding systems, suspensions and substructures can optionally be used for the calculation



This software (the Service) calculates properties of insulation solutions made by PAROC Technical Insulation products. Calculations are based on standard ISO 12241. The latest version is always on Paroc web pages. The information contained in the online insulation, energy and CO_2 calculations (the Service) is provided in good faith and for general information purpose only. Owens Corning as well as any of its direct or indirect affiliates, including Paroc Group OY (individually and jointly "Owens Corning") assumes no responsibility for errors or omissions in the contents of the Service, including technical or product data, product recommendations, research information, data and/or content contained in the Service. In providing the Service, Owens Corning does not make any warranties about its completeness, its reliability and its accuracy. Any action you take upon the information you find in using the Service, is strictly at your own risk. In no event shall Owens Corning be liable for any special, direct, indirect, consequential, or incidental damages or any other damages whatsoever, whether in an action of contract, negligence or other tort, arising out of or in connection with the use of the Service or the contents of the Service. Owens Corning reserves the right to make additions, deletions, or modification to the contents on the Service at any time without prior notice. By using the Service, you hereby consent to the present disclaimer and agree to its terms.

PAROC SALES OFFICES AND CONTACTS

Headquarter / Finland

Paroc Group Oy / Paroc Oy Ab
P.O. Box 240
FI-00181 Helsinki, Finland
Energiakuja 3
Phone: +358 46 876 8000
Email: Contact us in Finland

Belgium / The Netherlands / France

Email: Contact us in Belgium French
Email: Contact us in Belgium Dutch
Email: Contact us in Netherlands
Email: Contact us in France

Denmark

Paroc Danmark Filial af PAROC AB
Helsingør Erhvervspark A/S
H P Christensensvej 1
DK-3000 Helsingør
Tel. +45 49 12 10 00
Email: Contact us in Denmark

Estonia

AS Paroc
Pärnu mnt 158
EE-11317 Tallinn, Estonia
Tel. +372 651 8100
Email: Contact us in Estonia

Germany / Switzerland / Austria

Paroc GmbH
Heidenkampsweg 51
D-20097 Hamburg, Germany
Tel. +49 40 33 49 60000
Email: Contact us in DACH area

Latvia

SIA Paroc
Vienības gatve 109
Riga, LV-1058, Latvia
Tel. +371 7 339053
Email: Contact us in Latvia

Lithuania

UAB Paroc
Savanoriu 124
03153 Vilnius, Lithuania
Tel. +370 5 2740 000
Email: Contact us in Lithuania

Norway

Paroc AB Norge
Rosenholmveien 25
NO-1414 Trollåsen, Norway
Tel. +47 22 64 59 00 / 01
Email: Contact us in Norway

Poland

Paroc Polska sp. z o.o.
ul. Gnieźnieńska 4
62-240 Trzemeszno, Poland
Tel. +48 61 468 21 90
Email: Contact us in Poland

Sweden

Paroc AB
SE-541 86 Skövde, Sweden
Visiting address: Bruksgatan 2
Tel. +46 500 469 000
Email: Contact us in Sweden

The United Kingdom / Ireland

Owens Corning Insulation (UK) Ltd
31-35 Kirkby Street
London EC1N 8TE
The United Kingdom
Email: Contact us in UK & Ireland

NOTES

The information relating to the products and systems contained in this communication ("Information") is accurate and reliable to the best of our knowledge as of its date issued and is subject to change without prior notice. No guarantee of accuracy is given or implied.

Since Paroc has no control over installation workmanship, accessory materials or conditions of application, no express or implied warranty of any kind, including those of merchantability or fitness for a particular purpose or course of performance or usage of trade, is made as to the performance of an installation containing Paroc products.

While the Information in this communication may relate to the technical application of certain Paroc products, it is in no event to be considered as technical advice on the basis of which Paroc may incur any liability.

User is solely responsible for determining whether a Paroc product is fit for a particular purpose and suitable for user's method of use or application.

Users of the provided Information assume full responsibility for all concept/design decisions made relating to the suitability of use.

Users must rely on their own judgment or that of a concept/design professional when determining how to best apply the data provided.

Users agree that Paroc is under no obligation to provide additional details, testing or test data on its behalf.

Liability of Paroc, if any, is strictly limited to replacement of product. In no event shall Paroc be liable for any other damages arising because of product failure, whether incidental, special, consequential or punitive, regardless of the theory of liability upon which any such damages are claimed.

1261TIEN0125