REBOTHERM ENERGY

Rebotherm Aero

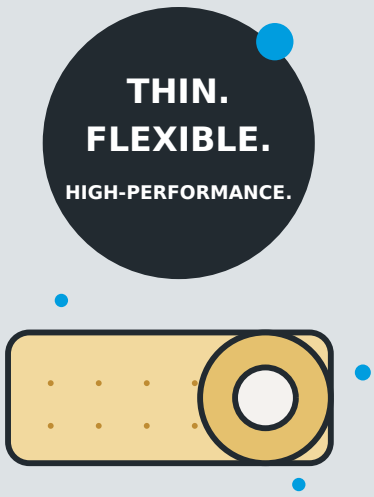
Aerogel insulation mat for slim insulation systems

THICKNESSES

6 / 11 mm

FORMATS

Roll / Mat

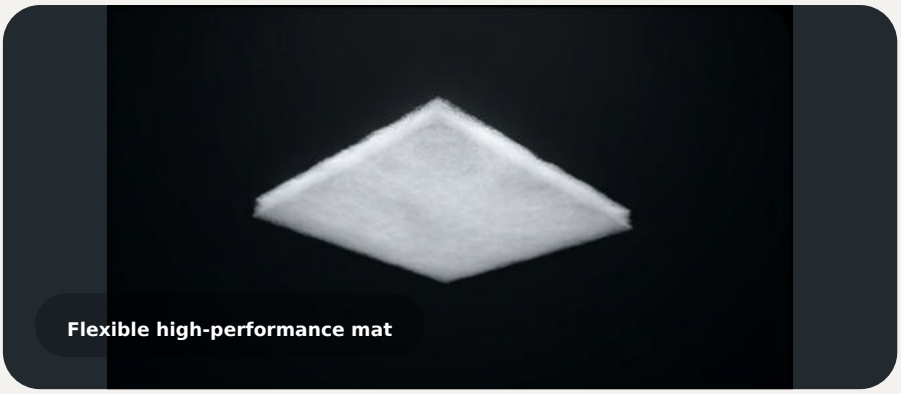


PRODUCT DATA SHEET

Rebotherm Energy

Maximum insulation performance with minimal thickness

The flexible aerogel insulation mat reduces heat loss wherever there is little space for conventional insulation materials.



0.0175

λD at 10 °C in W/(m·K)

A2-s1,d0

Reaction to fire according to EN 13501-1

μ = 4.8

Vapour-permeable and hydrophobic

675 °C

Maximum service temperature

VERSATILE APPLICATIONS

- Interior and exterior insulation
- Thermal bridges
- Pipelines
- Window reveals
- Roofs and ceilings
- Renovation and heritage conservation

VERIFIED DATA

Technical parameters according to the test methods listed below.

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Rebotherm Energy

THICKNESSES 6 / 11 MM

Technical data

Performance values, test methods and delivery formats

PROPERTY	VALUE	TEST METHOD
Declared thermal conductivity λD at 10 °C	**0.0175 W/(m·K)**	EN 12667:2002
Thickness	**6 mm / 11 mm**	EN 823:2013
Water vapour diffusion resistance factor μ	**4.8**	EN 12086:2013
Dimensional stability at +70 °C and 90% RH	**± 10%**	EN 1604:2013
Density	**173 kg/m³**	EN 1602:2013
Tensile strength perpendicular to the surface	**6.1 ± 2.0 kPa**	EN 1607:2013
Tensile strength parallel to the surface	**longitudinal 409 ± 28 kPa; transverse 1291 ± 125 kPa**	EN 1608:2013
Maximum service temperature	**675 °C**	EN 14706:2013
VOC emissions	**below permissible concentrations**	UA GW VIII.21/2011
Reaction to fire class	**A2-s1,d0**	EN 13501-1:2019

Delivery formats

Roll: 1.50 × 25 m | Mat: 0.75 × 1.20 m

- **1.50 m** — Roll width
- **25 m** — Roll length
- **37.5 m²** — Roll area
- **0.75 × 1.20 m** — Mat size
- **0.90 m²** — Mat area

Product benefits

- very low build-up height
- flexible to shape and cut
- resistant to heat and ageing
- hydrophobic and vapour-permeable
- suitable for demanding details
- tested and documented product basis

NOTE Technical values according to available test documentation. The current technical documentation, safety data sheet and project-specific planning are decisive.