



AKUSTO

GLASS WOOL ROLLS ISOVER



TECHNICAL SPECIFICATION

Compressed rolls made of Isover glass wool. The mats are manufactured by melting the mineral raw materials in a furnace, fiberizing the melt through TEL process, spraying a binder and adding mineral oils for protection against dust and water repellence. The mineral fibres mat is compressed and packaged in rolls on the production line.

APPLICATION

Isover AKUSTO mats can be used for thermal insulation of residential buildings where insulation is not subject to mechanical loads:

- partition walls
- walls of wooden houses
- the inner surface of vertical walls
- attics floors



RELATED DOCUMENTS

EC compliance certificate:
CE 1840 -CPR- 99/91/EC/0677-18
ISO 9001
ISO 14001
ISO 45001

BENEFITS

- very good thermal insulation performance (low thermal conductivity)
- fire safety - non-combustible material
- excellent acoustic properties (high absorption coefficient)
- easy to handle, non-toxic
- easy installation in roof and wall wooden structures
- the product is elastic and compressible
- low vapour flow resistance
- unlimited resistance in vertical position
- environment friendly and hygienic
- completely hydrophobic - is made water repellent
- long life span and time-stable properties
- resistant to mould, mildew, rodents and insects
- chemically neutral, non-corrosive
- easy workability - can be cut, drilled etc

PACKAGING, TRANSPORT, WAREHOUSING

Isover AKUSTO mats are packaged in PE foil bags. The rolls must be shipped and stored avoiding the contact with water, or any other damages.



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TECHNICAL PARAMETERS

PARAMETER	U.M.	VALUE
THERMAL INSULATION PROPERTIES		
Declared thermal conductivity - λ_D	W/(m*K)	0.039
FIRE SAFETY PROPERTIES		
Reaction to fire	-	A1
OTHER PROPERTIES		
Air flow resistivity AFr	kPa * s/m2	>6
Water vapour diffusion resistance factor, μ MU	-	1
Maximum temperature for use	°C	200

SIZE AND PACKAGING

Product	Thickness (mm)	Length x width (mm)	Area (m2/rolă)	Declared thermal resistance RD (m2.K/W)	Air noise attenuation index RW*** (dB)
AKUSTO	50	7500 x 600**	18.00	1.25	42
AKUSTO	75	9000 x 600*	10.80	1.90	43
AKUSTO	100	7500 x 600*	9.00	2.55	47

* rols with 4 mats

** rols with 2 mats

*** values valid for partition wall including gypsum plasterboard 12.5 mm thick - cavity entirely filled with glass wool - gypsum plasterboard 12.5 mm thick

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This document contains only general recommendations and does not address special circumstances.

Prior to installation, please ensure that you have thoroughly read and understood the specifications of your project, that you have tested the product for your specific purpose, and that the selected product will enable the required outcome.

The information presented in this document does not constitute a guarantee as to certain properties of the product or compatibility for a specific use, hence Saint-Gobain Group cannot be held responsible for the quality of the installation works.

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