



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 wood 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.



AKUSTO

GLASS WOOL ROLLS ISOVER

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/m ² | >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 (m ² /rolă) | Declared thermal resistance RD (m ² .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

ISOVER is a registered trademark of Saint-Gobain. The information contained herein reflects the latest data based on our current knowledge and experience and are subject to change without prior notice as a result of technical or production changes. Please ensure you always have the latest version of this document by accessing our site at the following address: www.isover.ro.

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.

SAINT-GOBAIN ROMANIA • ISOVER
 Șos. Pipera nr. 43
 Clădirea Floreasca Park • Corp A • etaj 3
 Sector 2 • București • România
 Tel: +40 (21) 207 57 50/51
www.isover.ro

