

AKUSTO

GLASS WOOL ROLLS



Specification code CE:MW-EN 13162-T1-MU1-AF5:



TECHNICAL SPECIFICATION

Compressed rolls made of Isover glass wool. The mats are manufactured by melting the mineral raw materials in a furnace, fiberising 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, sound and fire insulation of residential and industrial buildings where insulation is not subject to mechanical loads:

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

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.

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 wool 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

RELATED DOCUMENTS

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

TECHNICAL PARAMETERS

| PARAMETER | UM | VALUE |
|---|----------------------|-------|
| THERMAL INSULATION PROPERTIES | | |
| Declared thermal conductivity λ_D | W/(m K) | 0,039 |
| FIRE SAFETY PROPERTIES | | |
| Reaction to fire | - | A1 |
| OTHER PROPERTIES | | |
| Maximum temperature for use | °C | 200 |
| Air flow resistivity A_{Fr} | kPa s/m ² | >5 |
| Water vapour diffusion resistance factor μ MU | - | 1 |

SIZE AND PACKAGING

| Product | Thickness (mm) | Length x width (mm x mm) | Area (m ² /package) | Declared thermal resistance R_D (m ² .K/W) | Air noise attenuation index R_w^* (dB) |
|-------------|----------------|--------------------------|--------------------------------|---|--|
| Akusto Twin | 2 x 50 | 2 x 7500 x 600 | 18,00 | 1,25 | 42 |
| Akusto | 75 | 2 x 9000 x 600 | 10,80 | 1,90 | 44 |
| Akusto | 100 | 2 x 7500 x 600 | 9,00 | 2,55 | 47 |

The product will be delivered as MPS - multi pack system, 24 rolls /pallet

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

