AKUSTO PLUS

GLASS MINERAL WOOL
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 fibers 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

Benefits

- **Good thermal insulation performance (low thermal conductivity)**
- **Fire safety non-combustible material**
- **Excellent acoustic properties (high absorption coefficient)**
- **Long life span and time-stable properties**
- **Low vapor flow resistance**
- **Resistant to mold, mildew, rodents and insects**

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TECHNICAL PARAMETERS

PARAMETER	U.M	VALUE
THERMAL INSULATION PROPERTIES		
Declared thermal conductivity - λ_d	W/(m•K)	0,037
FIRE SAFETY PROPETIES		
Reaction to fire	-	A1
OTHER PROPERTIES		
Air flow resistivity AFr	kPa * s/m²	>6
Water vapor diffusion resistance factor μ MU	-	1

SIZE AND PACKAGING

PRODUCT	THICKNESS (mm)	LENGTH x WIDTH (mm)	AREA (m²/roll)	Declared thermal Resistance RD (m²•K/W)	Air noise attenuation index RW*** (dB)
AKUSTO PLUS	50	7500x600 *	18,00	1,35	42
AKUSTO PLUS	75	9000x600 **	10,80	2,00	43
AKUSTO PLUS	100	7500x600 **	9,00	2,70	47

* Rols with 4 mats
** rolls 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

AKUSTO PLUS

Change is in Your Hands

At Isover, we care about building better products for people and the planet, and together with our customers, we are at the forefront of driving change towards a more sustainable future.
We believe in the invisible power of insulation.

Lanaé, easily identified by its unique creamy color, signifies a step forward in glass wool insulation, solidifying Isover's place as a frontrunner in providing more sustainable comfort solutions that increase the wellbeing of our customers and the greater planet.
Lanaé maintains the high-performance standards and benefits our customers have come to expect from our products.

Glass wool Lanaé

Good for the environment, good for you

- Less dust, neutral odor
- Easy to cut, easy to install
- soft surface – pleasant to the touch
- Firm structure
- meets the high standard for healthy indoor air: Eurofins Indoor Air Comfort Gold

RELATED DOCUMENTS

Certificate of Constancy of Performance:
1840-CPR-99/91/EC/0677-18
Management certificates:
ISO 9001:2015
ISO 14001:2015
ISO 45001:2018
EUCEB Certificate

RECOMMENDATIONS

During installation: glass mineral wool products must be dry, clean, free of dust or other impurities.

INSTALLATION

The installation of the insulation is done so that it is continuous, without gaps or free spaces, without tightness at the joints between the wool or in the end or perimeter areas.
It will also be considered from the design phase that according to the hydrothermal calculation, to avoid the accumulation of vapor or vapor saturation of the insulating layer, providing if necessary various constructive measures. It is also necessary to achieve the best possible sealing of the space between two adjacent wool plates in order to achieve superior sound performance.

TRANSPORT, WAREHOUSING

Glass wool products must be transported, stored and mounted avoiding contact with water or any other damage. The rollers should not be stored in direct contact with the soil to avoid absorbing moisture from the soil. Products taken off the pallet, or unpacked, or those not palletized, will be protected and stored in a dry place.
The handling of pallets or rolls should be done in such a way as to preserve the integrity of the packaging and avoid damage to the products. Pallets should be stored indoors or in covered areas. In the case of outdoor storage, depending on the outdoor conditions, additional protective measures will be taken so that the products are not moistened or damaged. The area where the pallets will be stored must have a very good drainage that allows a dry surface to be maintained (without the formation of water accumulations).
In case of extreme phenomena or storage for longer periods, the integrity of the packaging will be checked periodically.