

# RIO ALU

## GLASS WOOL ROLLS



Specification code CE: MW-EN 13162-T1



### TECHNICAL SPECIFICATION

Compressed rolls made of Isover glass wool, faced with Aluminium foil reinforced with glass fibers. 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 then faced with the Aluminium foil, compressed and packaged in rolls on the production line.

### APPLICATION

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

- attic floors

The Aluminum facing must be oriented towards the indoor air. In this way, the foil will act as a vapour barrier. The continuity of the vapour barrier must be insured by sticking adhesive tape on the edges of all adjacent pieces of mat.

### PACKAGING, TRANSPORT, WAREHOUSING

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

### BENEFITS

- good thermal insulation performance
- fire safety - non-combustible material
- easy to handle, non-toxic
- easy installation in wooden structures—the product is elastic and compressible
- the Aluminium facing avoids the necessity to install a vapour barrier
- environment friendly and hygienic
- completely hydrophobic - 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, ISO 14001, OHSAS 18001

## TECHNICAL PARAMETERS

PARAMETER	UM	VALUE
<b>THERMAL INSULATION PROPERTIES</b>		
Declared thermal conductivity $\lambda_D$	W/(m K)	0,042
<b>FIRE SAFETY PROPERTIES</b>		
Reaction to fire	-	A2-s1, d0
<b>OTHER PROPERTIES</b>		
Maximum temperature for use	°C	200, 80 °C on the Aluminium foil

## SIZE AND PACKAGING

Product	Thickness (mm)	Length x width (mm x mm)	Area (m <sup>2</sup> /roll)	Declared thermal resistance $R_D$ (m <sup>2</sup> .K/W)
Rio Alu	50	12000 x 1200	14,40	1,15
Rio Alu	100	7500 x 1200	9,00	2,35

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

