

FORTE

GLASS WOOL ROLLS



CE designation code: MW—EN 13162—T1—MU1—AFr17



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 Forte mats can be used for thermal, sound and fire insulation in buildings where insulation is not subject to mechanical loads:

- pitched roofs and attics
- walls of wooden houses
- the inner surface of vertical walls

PACKAGING, TRANSPORT, WAREHOUSING

ISOVER Forte 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 installation in roof and wool wooden structures—the product is elastic and compressible
- easy installation in roof and wool wooden structures— a piece of product that is 2 cm wider than the distance between rafters stays without any support between them
- at installation can be pierced by the hangers of the dry lining system - this eliminates the spaces without insulation material around them, which represents thermal bridges
- 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
- easy to handle, non-toxic
- resistant to mould, mildew, rodents and insects
- chemically neutral, non-corrosive
- easy workability - can be cut, drilled etc.

RELATED DOCUMENTS

- Certificate of constancy of performance CE: 1840 - DPC - 99 / 91 / EC / 0344 - 10
- ISO 9001, ISO 14001, OHSAS 18001

TECHNICAL PARAMETERS

PARAMETER	UM	VALUE
THERMAL INSULATION PROPERTIES		
Declared thermal conductivity λ_D	W/(m·K)	0,034
FIRE SAFETY PROPERTIES		
Reaction to fire	-	A1
OTHER PROPERTIES		
Maximum temperature for use	°C	200
Air flow resistivity A_{Fr}	kPa s/m ²	>17
Water vapour diffusion resistance factor μ MU	-	1

SIZE AND PACKAGING

Product	Thickness (mm)	Length x width (mm x mm)	Area (m ² /roll)	Declared thermal resistance R_D (m ² ·K/W)
Forte 10	100	4500 x 1200	5,40	2,90
Forte Twin 10/5	2 x 50	9000 x 1200	10,80	1,45
Forte 12	120	4000 x 1200	5,00	3,50
Forte Twin 12/6	2 x 60	8000 x 1200	10,00	1,75
Forte 14	140	4000 x 1200	5,00	4,10
Forte 16	160	3500 x 1200	4,20	4,70
Forte 20	200	3000 x 1200	3,60	5,85



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ISOVER
SAINT-GOBAIN

FORTE ALU

GLASS WOOL ROLLS



CE designation code: MW—EN 13162—T3



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 Forte Alu mats can be used for thermal, sound and fire insulation in buildings where insulation is not subject to mechanical loads:

- pitched roofs and attics
- walls of wooden houses
- the inner surface of vertical walls
- marine applications

PACKAGING, TRANSPORT, WAREHOUSING

ISOVER Forte 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

- very good thermal insulation performance (low thermal conductivity)

- fire safety - non-combustible material
- excellent acoustic properties (high absorption coefficient)
- easy installation in roof and wool wooden structures—the product is elastic and compressible
- easy installation in roof and wool wooden structures— a piece of product that is 2 cm wider than the distance between rafters stays without any support between them
- at installation can be pierced by the hangers of the dry lining system - this eliminates the spaces without insulation material around them, which represents thermal bridges
- 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
- easy to handle, non-toxic
- resistant to mould, mildew, rodents and insects
- chemically neutral, non-corrosive
- easy workability - can be cut, drilled etc.

RELATED DOCUMENTS

- Certificate of constancy of performance CE: 1840 - DPC - 99 / 91 / EC / 0344 - 10
- ISO 9001, ISO 14001, OHSAS 18001

TECHNICAL PARAMETERS

PARAMETER	UM	VALUE
THERMAL INSULATION PROPERTIES		
Declared thermal conductivity λ_D	W/(m·K)	0,034
FIRE SAFETY PROPERTIES		
Reaction to fire	-	A1
OTHER PROPERTIES		
Maximum temperature for use	°C	200

SIZE AND PACKAGING

Product	Thickness (mm)	Length x width (mm x mm)	Area (m ² /roll)	Declared thermal resistance R_D (m ² ·K/W)
Forte Alu 25	25	12000 x 1200	14,40	0,70
Forte Alu 50	50	9000 x 1200	10,80	1,45
Forte Alu 100	100	4500 x 1200	5,40	2,90



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