



PRODUCT SHEET

r.Force® A

Product description

r.Force® A is a high-parameter mineral wool lamella mat covered with a lining of reinforced aluminium foil. The mineral wool is characterized by increased density and perpendicular (lamellar) arrangement of fibers, thanks to which the product achieves high mechanical compressive strength while maintaining adequate elasticity and weight. **r.Force® A** also has excellent thermal and soundproofing properties, as well as very high temperature resistance (up to 600 °C). The aluminium cladding reinforced with fiberglass mesh provides a barrier to moisture penetration, provides stable support for the mounting system and additional rigid exterior cladding.



Application

r.Force® A lamella mat is designed for thermal, anti-condensation and acoustic insulation of ventilation systems. Two typical applications are insulation of steel ventilation and air conditioning ducts in industrial installations and insulation of ducts located outside the building. Thanks to its properties **r.Force® A** is also used in other applications requiring increased mechanical performance, for example, wherever there is a need to install an additional rigid outer cladding (sheet metal). Installation is carried out using a typical fastening system (pin, clamping plate, cap, tape, band).

Packaging

r.Force® A is in the form of an uncompressed mat rolled into a roll. Each roll is packed in a sealed LDPE bag. Closure of the bag with a factory weld guarantees full protection against moisture. 25 **r.Force® A** rolls are stacked on a wooden pallet (2,4 x 1,0 m) in three layers. The two bottom layers are 20 rolls stacked vertically, and resting on them are 5 more rolls stacked horizontally. The whole is secured from the top with a durable LDPE hood and additionally wrapped with stretch film. Such a method of packaging effectively protects the product from damage during transport and during storage operations. It also allows safe outdoor storage in any weather conditions.

Thickness: 20-100 mm, Width: 1 m, Length: 2,5-12 m

Parameter	Value	Standard
Fire reaction class	A1	EN 13501-1
Thermal conduct. coefficient:	50° C, λ_D 0,043 W/m·K 150° C, λ_D 0,065 W/m·K 250° C, λ_D 0,087 W/m·K	EN 12667:2002
Max. temperature of use	600 °C (80 °C from Alu)	EN 14707
Thickness tolerance	T4	EN 16463
Water absorption (short-time)	WS1	EN 13472

Documents

Standard	PN-EN 14303:2009+A1:2013
CE Code	MW-EN14303-T4-ST(+)-600-WS1-MV2-CL14
Cert. CPR No.	1454-CPR-1059
Hygienic cert. No.	AH 80/322/80/2023



ROHHE Energy to live

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