

Rockwool 133 Lamella mat



Rockwool 133, lamella mat					
Thickness mm	Length mm	Width mm	m ² per collo	m ² 40ft HC	
25	10000	1000	10	2700	
30	8000	1000	8	2160	
50	5000	1000	5	1350	

Shrink-wrapped

Applications

Rockwool 133 Lamella Mat is formed from strips of stone wool with vertical fibres bonded onto fibreglass reinforced aluminium foil. Lamella Mat is suitable for the external thermal and acoustic insulation of ventilation ducts, and maintains thickness even on tight bends or corners.

Advantages

- Excellent thermal and acoustic insulation
- Retains insulation thickness, even at tight angles
- Easy to handle and install
- Superior fire performance enables use of product in escape routes and technical shafts
- Minimal wastage through reuse of cut pieces

Product properties

	Performance							Standard
	t° (°C)	10	20	30	40	50	100	
Thermal conductivity	λ (W/mK)	0.038	0.040	0.041	0.043	0.044	0.054	EN ISO 8497, ASTM C335
	t° (°F)	50	75	100	150	200	300	
	λ (BTU.in/ft ² .h.°F)	0.263	0.274	0.286	0.313	0.345	0.421	
Maximum Service Temperature	133: 250°C (482°F) Outer foil temperature limited to 80°C (176°F)							EN 14706, ASTM C411
Reaction to fire	Class 1 A1 Surface burning characteristics: Flame spread=passed, Smoke development=passed							NEN 6065 NBN S21-203 ASTM E84 (UL 723)
Smoke intensity	Negligible							NEN 6066
Water absorption	Water absorption < 1 kg/m ² Water vapour absorption (vapor sorption) ± 0.02%vol							EN 1609 ASTM C1104/C1104M
Nominal density	density = 37 kg/m ³ (2 lb/ft ³)							
Water vapour resistance aluminium foil	S _d ≥ 350 m							EN 12086

Rockwool 133 is certified by ButgB, technical approval ATG 2319

Rockwool Technical Insulation by

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Installation guidelines

Cut the lamella mat to the right length:

- Circular air ducts:
(diameter + 2x thickness insulation) x 3.14 + 30 mm
- Right-angled ducts:
circumference + 8x thickness insulation + 30 mm

For ducts with flanged joints, we recommend fitting the insulation to the exact width between the flanged joints. Rockwool 133 can be mechanically fixed using self-adhesive stick pins, adhesive coating or tie rods according to

preference. Where there is a risk of condensation on the flange, place an additional loose strip over the flange joint. All joints are to be securely taped with an aluminium tape (e.g. Rockwool Alufix; see below) with a minimum width of 75mm. Provide vents at duct joints.

Storage

Rockwool Lamella Mat must be stored in a dry, frost-free environment in the original packaging.