



Rock Lamella

DESCRIPTION

Rock lamella is a strong compression resistant mat of non-combustible rock mineral wool, it is available with a range of facings and is supplied in a roll.

The wool is bonded to the facing layer at right angles to its original direction of manufacture, this further adds to its compressive resistance giving a figure for products several times its density.

Rock Lamella is designed for the thermal and acoustic insulation of pipes, ducts and vessels operating at temperatures up to 230°C and for use as a supplementary layer for existing insulation.

Rock Lamella is manufactured with a standard nominal weight of 33kg/m³, with a width of 1200mm and thickness ranging from 25 to 80mm. Bright Class O reinforced aluminium foil and kraft paper facings are fitted as standard.

MANUFACTURING STANDARDS

Rock Lamella is manufactured using products defined by BS 3533 as mineral wools. Rock Lamella complies with the requirements of BS 3958 Part 5 and BS 5970 and manufactured in a facility complying with a ISO 9000.

OPERATING TEMPERATURE

Rock Lamella is suitable for use at continuous operating temperature up to 230°C. Cammach Engineering Ltd can supply higher density product for use at greater temperatures on request.

Rock Lamella is suitable for use at cryogenic temperatures (-150 to -273°C) providing a 100% vapour barrier can be maintained.

FACINGS

1. Bright Class O

Bright reinforced aluminium foil, providing Class O fire rating and excellent vapour sealing properties is fitted as standard.





Rock Lamella

FIRE PERFORMANCE

Bright Class O facings comply with Class O requirements of the Building Regulations when tested to BS 476 Part 6 1981 and Part 7 1987. The base wool is non-combustible when tested under the conditions specified in BS 476 part 4 1970 (1984).

N.B. When used to insulate ducts in voids, cavities and shafts the Class O rating allows barriers to be spaced at the maximum distance of 20 metres rather than at every 8 metres if the material does not comply with this standards.

OTHER CHARACTERISTICS

The base wool is rot-proof, odourless, non-hygroscopic, it does not sustain vermin and does not support the growth of fungi, mould or bacteria. Rock Lamella is dimensionally stable under a range of temperatures and humidity and does not react with materials and coatings it may be normally applied to.

ACOUSTICS

Rock Lamella will reduce the noise transmitted from pipes, ducts or vessels.

FORM AND DIMENSIONS

Rock Lamella is normally supplied in roll widths of 1200mm, with a length of 600 to 2000mm, in the following thickness; 25, 30, 40, 50, 60, 80 and 100mm. Other thickness, widths and lengths are available on request.

THERMAL CONDUCTIVITY

TEMPERATURE °c	THERMAL CONDUCTIVITY (W/mK)
50	0.051
70	0.059
100	0.066
125	0.076

Note: The information and instructions provided in relation to our products are based on experimental and practical experience and are general recommendations. Local conditions can affect the results and as the qualification and experience of the personnel used in the installation is beyond the control of Cammach Group Ltd we do not take responsibility for the results obtained when using our products.

