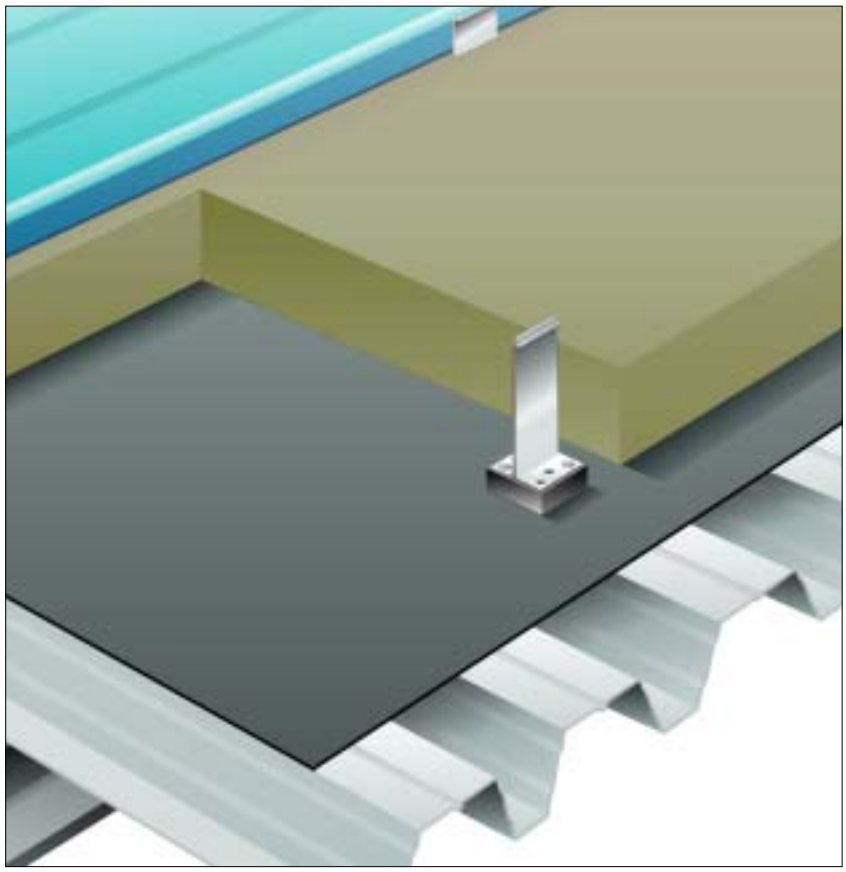
Kalzip® Insulation

Product Information Kalzip® 040 rock insulation

The Product

The Kalzip® 040 rock insulating material is a flexible, compressible insulation for double skin metal roof constructions. Its special fibre structure fits the contours of the Kalzip® profile sheets perfectly. Kalzip® 040 has an excess thickness of approx. 20 mm. This excess thickness, together with its excellent ability to retain its shape prevents voids and gaps occurring, even when the profile sheets are walked upon. Kalzip® 040 has an A1 building materials classification (non-flammable) and in combination with a high melting point of >1000° C is ideal for providing preventative structural fire protection. With excellent acoustic, thermal and fire protection characteristics, this is another high quality system component from Corus. Kalzip® 040 rock insulation is available in various thicknesses.



Product Advantages

- High level of safety as being non-flammable A1 (melting point >1000° C)
- Provides heat and sound insulation
- Sound-absorbent
- Water-repellent
- Open to diffusion
- Easy handling – quick and easy to install
- Fully recyclable
- Flexible – follows the contours of the roof

Areas of use

Kalzip® 040 rock insulation is suitable for thermal and acoustic insulation and the fire protection of double skin Kalzip® roof structures.

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Range

Individual rolls							
Thickness (mm)	60 [1.)]	80	100	120	140	160	180
Thermal resistance R (m^2*K/W)	1,50	2,00	2,50	3,00	3,50	4,00	4,50
Length (mm)	6000	7000	6500	6000	5000	4500	4000
Width (mm)	1000						
m^2 / roll	12	7	6,5	6	5	4,5	4
Transport m^3 / roll	0,428						

1.) Packed in double layers (two widths per roll).

Technical Data

Characteristic	Reference	Description/ measurement value	Unit	Standard/ regulation
Area of use	DAD -dk	Roof with cover (no pressure bearing capacity)		DIN V 4108 Part 10
Fire classification	A1	A1 - non-flammable		DIN EN 13501 Part 1
Thermal behaviour		Melting point of Rockwool > 1000°C		DIN 4102 Part 17
Rating of thermal conductivity	λ_D	0,040	W/(mK)	DIN EN 13162
Moisture diffusion resistance coefficient	MU 1	1		DIN EN 12086

Testified and approved according DIN EN 13162.

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