



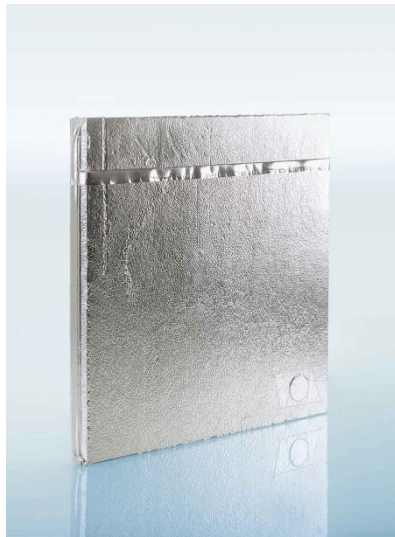
va-Q-floor F

Details

va-Q-floor F is a vacuum insulation panel for construction applications.

The core itself is non-combustible (fire class A1 in Europe), va-Q-floor F is inflammable (Construction materials class DIN 4102-B2) and approved for general construction purposes in accordance with the approval number Z-23.11-1658, of the "Deutsches Institut für Bautechnik (DIBT)".

va-Q-floor F panels have smooth edges and sharp corners due to special "edge fold technique va-Q-seam" so individual panels can be joined almost seamlessly



Applications

va-Q-floor F can be used in buildings in accordance with application areas interior applications for ceilings, walls, floors, flat roofs, top floor ceilings, exterior insulation behind panelling and insulation in wood frame construction.

Planners, installation partners or architects are responsible for the relevant specific insulation system. Application systems for buildings can also be discussed directly with va-Q-tec.

As its name already suggests va-Q-floor F is especially suited for its application on floor areas.

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Technical Data

Product Name:	va-Q-floor F
Surface Colour:	Silver
Geometry:	Rectangular shape (without protruding flanges*)
Density:	180-210 kg/m ³
Thermal conductivity:	<0.0043 W/(mK) @ 20mm thickness
Temperature stability:	-70°C to +70°C (due to the film)
Thermal shock resistance:	Not sensitive to heat and cold shock in the given temperature range
Humidity stability:	0% to 60%
Internal gas pressure:	<5 mbar (at delivery)
Increase of gas pressure:	Approximately 1mbar/year (at 20mm thickness and normal room conditions)
Standard dimension:	500mm x 600mm
Special form:	Triangle, trapezium, special shape, cornet cut, hole cut and recessed surface
Nominal Thickness:	15mm and 20mm
Size tolerance 0 to 500mm:	+2 / -4mm
Thickness tolerance:	±1mm
Specific heat capacity:	0.8 kJ (kg K) (at normal room temperature)
Mass per area:	4 kg/m ² (at 20mm thickness)



Compressive strength:	Approximately 150kPa (at 10% compression)
Service Life:	Extrapolated, depending on application up to 60 years.

** For 10 mm and 15 mm thickness, if a flat edge is required, the flanges are refolded onto the main surface of panel.*

All figures are intended as a guide and should not be used for preparing specifications.

**Nominal Thickness to R-Value @ 10°C
(Assigned by Deutsches Institut für Bautechnik DIBt)**

Nominal Thickness mm	Lambda/K Value/Thermal Conductivity	R Value
15	0.008	1.9
20	0.007	2.9