



DESCRIPTION: va-Q-vip F is a vacuum insulation panel

Name of product		va-Q-vip F	
Function of product		vacuum insulation for building applications	
Form		rectangular without protruding flanges	
Raw Material		fumed silica	
Properties			
Property	Unit	Value	Test methods/standardisation
Chemical/physical properties			
Bulk density	kg/m ³	175-250	DIN EN 1602
Structures and construction			
Dimensions of product	mm ²	1000 x 600	
		600 x 500	
Thickness	mm	10-50	
Mechanical properties			
Compressive strength	kPa	150	at 10% compression
Thermal properties			
Thermal conductivity	W/(m·K)	< 0,0043	initial value at 20 mm thickness
		0.007	value including aging, edge losses at 20 mm thickness
		0.02	ventilated
Specific heat capacity	J/(g·K)	0.8	at room temperature
Hygrothermal properties			
humidity stability		0 - 60%	
Acoustic properties			
Sound absorption coefficient	%	n/a	
Sound reduction index	dB	n/a	
Fire Safety			
Reaction to fire		inflammable (B2)	DIN 4102
Environmental properties			
Embodied energy (% renewable)	MJ/kg	-	
GHG emissions	kg CO ₂ eq	-	
TVOC (SVOC)	µg/m ³	-	
Radon	Bq/m ³	-	
Photocatalytic capacity		-	