



RESISTA AK-RF Insulation Board

1. Description

The Firestone RESISTA AK-RF insulation board for flat roofs consists of a closed-cell polyiso (PIR) foam core laminated on both sides to a gastight multi-layered aluminium complex.

2. Characteristics

Properties	Standard EN 13165	Test method	Unit	Value
Declared thermal conductivity coefficient	λ_D	EN 12667	W/mK	0,023
Compressive strength	CS(10\Y)150	EN 826	kPa	≥ 150
Tensile strength	TR80	EN 1607	kPa	≥ 80
Reaction to fire	Euroclass	EN 13501-1	-	E
Product Offering*				
Thickness	Ranging from 30 to 160 mm			
Dimensions	600 x 1200 mm (585 x 1185 mm); 1200 x 1200 mm (1185 x 1185 mm); 1200 x 2400 mm (1185 x 2385 mm)			
Finishing	Flat boards with straight or rebate edges			
Thermal Resistance				
Thickness (mm)	R_D-Value (m²K/W)	Thickness (mm)	R_D-Value (m²K/W)	
30	1,30	90	3,90	
40	1,70	100	4,30	
50	2,15	105	4,55	
60	2,60	120	5,20	
70	3,00	140	6,05	
80	3,45	160	6,95	
Specification Compliance				
<ul style="list-style-type: none"> CE as per EN 13165:2012 + A2:2016 Ozone Depleting Potential (ODP): 0 		<ul style="list-style-type: none"> Low Global Warming Potential Chlorine-free, Formaldehyde-free 		

*Please contact your local supplier for other thicknesses and availability

3. Packaging / Storage / Shelf life

Packaging: Bundles. Shrink-wrap packaging provides a protective covering to all 6 sides of the bundle.

Storage: Cool and dry. Store material in unopened packaging in a dry area away from sources of physical damage or chemical contamination. Bundles need to be elevated above the water line to prevent moisture infiltration.

Shelf life: Unlimited.

4. Precautions

Combustible. RESISTA AK-RF is non-structural and non-load-bearing material. The finished roof assembly should be protected from excessive roof traffic with proper walkway materials. Keep insulation dry at all times. Do not install over wet, damp or uneven substrates. Refer to Safe Use Instruction Sheet for more information. Information on application can be found in flat roof installation guideline.