

Declaration of Performance



CPR-2017.01_1

EN

1.	Unique identification code of the product-type	Firestone RESISTA AK
2.	Intended uses of the construction product:	Thermal insulation for buildings (ThIB)
3.	Manufacturer:	Firestone Building Products Ikaroslaan 75 1930 Zaventem (Belgium) Tel. +32 2 711 44 50 Fax. +32 2 721 27 18 e-mail: info@fbpe.be
4.	System of Assessment and Verification of Constancy of Performance of the construction product (AVCP):	AVCP 3
5.	Harmonised standard: Notified laboratory/ies:	EN 13165:2012+A1:2015 Centre Scientifique et Technique du Batiment (CSTB) , notified testing laboratory No 0679. APPLUS LGAI Technological Center , notified testing laboratory No 0370.

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6 Declared performance

Essential characteristics	Performance	
Reaction to fire	Generic use	E
Reaction to fire - end use	Thermal insulation for deck type metal roofing	B-s2,d0 Standard assembly n°3
Water permeability	Water absorption short term Water absorption long term	NPD WL(T)1
	Flatness after one-sided wetting	NPD
Release of dangerous substances to the indoor environment	No harmonized test method available	
Acoustic absorption index	Sound absorption	NPD
Direct airborne sound insulation index	Sound absorption	NPD
Continuous glowing combustion	No harmonized test method available	
Thermal resistance	Thermal resistance R_D (m ² ·K/W)	d _N :30mm R _D = 1,30 d _N :50mm R _D = 2,15 d _N :60mm R _D = 2,60 d _N :70mm R _D = 3,05 d _N :80mm R _D = 3,45
	Thermal conductivity λ_D (W/m·K)	d _N :90 mm R _D = 3,90 d _N :100mm R _D = 4,35 d _N :110mm R _D = 4,80 d _N :120mm R _D = 5,20 d _N :140mm R _D = 6,10
	Thickness d _N : 30-140mm	0,023 T2
Water vapour permeability	Water vapour transmission	NPD
Compressive Strength	All thicknesses	CS(10Y)150
Tensile strength / flexion	Tensile strength perpendicular to faces	NPD
Durability of reaction to fire against heat, weathering, ageing / degradation	Reaction to fire does not change with time	
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance and thermal conductivity	(a)
	Durability of thermal resistance against ageing/degradation	(a)
	Dimensional stability under specified temperature and humidity conditions	DS(70,90)3
	Deformation under specified compressive load and temperature conditions	NPD
	Methods for determination of the values of thermal resistance and thermal conductivity after ageing	(a)
Durability of compressive strength against ageing/degradation	Compressive creep	NPD

(a) The declared value of thermal conductivity incorporates the effect of aging over time extrapolated to 25 years.

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) no 305/211, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by, at Zaventem on July 3rd, 2017

Pascal Meirsschaert
Technical Director
Firestone Building Products