



## Declaration of Performance

**BACACIER**<sup>®</sup>  
By Kingspan

**N° DOP- BAC-026-001**

**1. Unique identification code of the product type**

QuadCore KS1000RW

**2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11 (4)**

According to order N°

**3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer**

**EN 14509: 2013**

Self-supporting double skin metal faced insulating panels – Factory made products – Specifications

**Use:** Roofing

**4. Name registered trade mark and contact address of the manufacturer as required pursuant to Article 11 (5)**

BACACIER  
61, Avenue du Stade  
63200 RIOM  
France  
Tel : +331 84 16 67 17  
www.bacacier.com

**5. Systems of assessment and verification of constancy of performance of the construction product as set out in Annex V**

**Reaction to fire: System 1**

Name and identification number of the notified body: **EFFECTIS France N° 1812**

Certificate of constancy of performance in respect of reaction to fire under **N° 1812-CPR-2277**

**Other performance: System 4**

## 6. Characteristics

Thickness (mm)	40	60	80	100	120	137	150	Referential
Thermal transmittance (W/m².K)	0.46	0.30	0.23	0.18	0.15	0.13	0.12	EN 14509: 2013
Mass (kg/m²)	8.9	9.7	10.5	11.2	12.0	12.6	13.1	EN 14509: 2013
Wrinkling Strength (MPa)								EN 14509: 2013
External span	280	280	278	269	259	250	244	
External span (high temp)	280	280	278	269	259	250	244	
External central support	280	280	280	280	280	280	280	
External central support (high temp)	280	280	280	280	280	280	280	
Internal span	163	163	163	158	154	150	147	
Internal central support	106	105	104	113	122	130	136	
Fire resistance	NPD							EN 13501-2: 2023
Reaction to fire*	B-s1, d0							EN 13501-1: 2018
External Fire Performance	Broof t1,t2,t3							CWFT
Material properties - All thicknesses								
External steel gauge	0,465 mm							EN 10346: 2015
External steel grade	S280GD							
Internal steel gauge	0,36 mm							
Internal steel grade	S220GD							
External coatings	Kingspan Destral 25 Kingspan Destral 35 Kingspan Altaris 25 Kingspan Altaris 35 Kingspan Spectrum Kingspan Spectrum 70							EN 10169: 2022
Internal coatings	Kingspan CLEANsafe 15 Kingspan AQUAsafe 25 Kingspan AQUAsafe 35 Kingspan AQUAsafe 55 Kingspan AQUAsafe 70							EN 10169: 2022
Density (kg/m³)	38 ± 10 %							EN 14509: 2013
Thermal conductivity (W/m.K)	0.018							
Tensile strength (MPa)	≥ 0.06							
Compressive strength (MPa)	≥ 0.115							
Shear strength (MPa)	≥ 0.085							
Shear modulus (MPa)	≥ 2.80							
Long term shear strength (MPa)	≥ 0.034							
Creep coefficient t = 2 000 hrs	1.64							
Creep coefficient t = 100 000 hrs	2.33							
Water permeability	Class A							
Air permeability (m³/h/m² @ 50pa)	< 5							
Water vapour permeability	Impermeable							
(*) : According to classification report N° EFR-22-000195B – Review 5								

**7. Technical appropriate documentation and/or technical specific documentation:**

The performance of the product identified above complies with the declared performance. In accordance with Regulation (EU) No 305/2011, this declaration of performance is drawn up under the sole responsibility of the above-mentioned manufacturer.

**Signed for and on behalf of the manufacturer by :**

**Cédric BRUGE – Managing Director Western Europe & Africa**

**Done in Riom, 63200 the 27/03/2026**

**Signee**

A handwritten signature in black ink, consisting of several overlapping loops and a long horizontal stroke at the bottom, ending in a small arrowhead pointing to the right.