

Declaration of Performance

Kooltherm® FM Pipe Insulation

1065.CPR.2013.KoolthermFM.001

Unique identification code of the product-type: **Kooltherm® FM Pipe Insulation (foam core density 37 kg/m³)**
- This DoP comprises faced products manufactured and supplied by Kingspan Industrial Insulation
- This DoP comprises all shapes within the scope of EN 14314:2009+A1:2013

Intended use/es: **Thermal insulation for building equipment or industrial installations (ThIBell)**
 Manufacturer: **Kingspan Insulation NV - Visbeekstraat 24 - B-2300, Turnhout (BE)**
 System/s of AVCP: **System 3**
 Harmonised technical specification: **EN 14314:2009+A1:2013**
 Notified testing lab(s): **FIW München (No. 0751) / Warrington Fire Research Gent (No. 1173) / Exova Warrington Fire (No. 0833)**

Essential characteristics		Performance
Thermal resistance	Thermal conductivity λ_D (W/(m.K))	See $\lambda(T)$ -curve
	Dimension and tolerances	d_D any thickness D_i any diameter
Reaction to fire	Outer diameter \leq 300 mm Outer diameter $>$ 300 mm	RtF B _L -s1,d0 RtF B-s1,d0
Durability of reaction to fire against heat, weathering, ageing / degradation		Reaction to fire does not change with time
Durability of thermal resistance against high temperature	Maximum service temperature	ST(+)+110
	Minimum service temperature	ST(-)-50
Durability of thermal resistance against ageing/degradation	Dimensional stability at specified temperature	NPD
	Compressive strength	Compressive stress at 10% deformation or yield
Water permeability	Water absorption	NPD
Water vapour permeability	Water vapour transmission	NPD
	Closed cell content	CV
Rate of release of corrosive substances		NPD
Release of dangerous substances to the indoor environment		No harmonized test method available
Continuous glowing combustion		No harmonized test method available
NPD: No Performance Determined		

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Henk Johan Bassie,
 Managing Director Continental Europe

Turnhout, The Netherlands, 01.03.2017



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Thermal Conductivity Curve: Kooltherm® FM Pipe Insulation
Declared Thermal Conductivity (λ_d) in accordance with EN 14314

