



Declaration of Performance

Thermawall® TW50

1002.CPR.2013.TW50.007

Unique identification code of the product-type:

Intended use/es:

Manufacturer:

System/s of AVCP:

Designated technical specification:

Notified body/ies:

Thermawall® TW50

Thermal insulation for buildings

Kingspan Insulation Ltd, Bree Industrial Estate, Castleblayney, Co Monaghan, A75 X966

System 4 for Reaction to Fire, System 3 for all other properties

EN 13165:2012+A2:2016

FIW Munchen (0751)

Essential characteristics		Performance	
Thermal resistance	Thermal resistance R_D ((m ² .K)/W)	d _N 25mm d _N 30mm d _N 40mm d _N 50mm d _N 60mm d _N 70mm d _N 80mm d _N 90mm d _N 100mm d _N 110mm d _N 120mm d _N 130mm d _N 140mm d _N 150mm	1.10 1.35 1.80 2.25 2.70 3.15 3.60 4.05 4.50 5.00 5.45 5.90 6.35 6.80
	Thermal conductivity λ_D (W/(m.K))	d _N 25mm- d _N 150mm	0.022
	Thickness tolerance	T2	
Reaction to fire	Reaction to fire	F	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability of the reaction to fire of the product as placed on the market	NPD	
	Durability of thermal resistance and thermal conductivity against ageing/ degradation	NPD	
Durability of Thermal Resistance against heat, weathering, ageing / degradation	Thermal resistance R_D ((m ² .K)/W)	Thermal resistance as table above	
	Thermal conductivity λ_D (W/(m.K))	0.022	
	Durability characteristics	NPD	
	Dimensional stability under specified temperature and humidity condition	DS(70,90)3 DS(-20,-)1	



Declaration of Performance

	Deformation under specified compressive load and temperature conditions	NPD
	Determination of the aged values of thermal resistance and thermal conductivity	λ_D 0,022 W/m·K
Compressive strength	Compressive stress or compressive strength	CS(10\Y)140
Tensile / Flexural strength	Tensile strength perpendicular to faces	NPD
Durability of compressive strength against ageing / degradation	Compressive creep	NPD
Water permeability	Short term water absorption	NPD
	Long term water absorption	NPD
	Flatness after one sided wetting	NPD
Water vapour permeability	Water vapour transmission	NPD
Acoustic absorption index	Sound absorption	NPD
Continuous Glowing combustion	Glowing combustion	NPD
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD
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:

.....
Siobhan O Dwyer
Managing Director, Ireland
Date signed: 14th October 2024
Issue Number: 007



Declaration of Performance



For the most up-to-date version of the Declaration of Performance please scan or [click here](#).

To access pre-existing product information or information relating to previously sold/discontinued products please email info@kingspaninsulation.ie