

## Declaration of Performance

### G4222MCCPR

1. Unique Identification code of the product-type:  
CLIMOWOOL FD2/V, CLIMOWOOL DF2, CLIMOWOOL DF2 DUO, CLIMOWOOL KF2, CLIMOWOOL KD2/V.
  
2. Type, Batch or serial number or any other element allowing identification of the construction product as required under article 11(4) of the CPR:  
See Product Label.
  
3. Intended use or uses of the construction product , in accordance with the applicable harmonised technical specification foreseen by the manufacturer:  
Thermal Insulation for Buildings (ThIB) - EN 13162:2012+A1:2015
  
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):  
Knauf Insulation  
Am Bahnhof 7, 97346 Iphofen,  
Deutschland  
[www.knaufinsulation.com](http://www.knaufinsulation.com)  
Contact: [dop@knaufinsulation.com](mailto:dop@knaufinsulation.com)
  
5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):  
Not applicable.
  
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:
  - AVCP System 1 for Reaction to Fire
  - AVCP System 3 for the other characteristics
  
7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:  
MPA Hannover (Notified certification body N° 0764) performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control; and issued the certificate of constancy of performance for reaction to fire under AVCP system 1.  
  
MPA Hannover (Notified testing laboratory N°0764) performed the test reports for the other declared characteristics under AVCP system 3.
  
8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:  
Not applicable.

## 9. Declared Performances:

Essential Characteristics	G4222MCCPR					Harmonised Technical Specification
	Performance	DF2	DF2 DUO	KF2	KD2/V	
Thermal Resistance	Thermal conductivity (W/mK)	0,034	0,034	0,034	0,034	EN 13162:2012 +A1:2015
	Thermal Resistance	See product label				
	Thickness range (mm)	40-260	40-260	40-300	40-260	
	Thickness tolerance	T2	T2	T2	T4	
Reaction to Fire	Reaction to fire	A1	A1	A1	A1	
Continuous glowing combustion	Continuous glowing combustion <sup>e</sup>	NPD	NPD	NPD	NPD	
Tensile/Flexural strength	Tensile strength perpendicular faces <sup>d</sup>	NPD	NPD	NPD	NPD	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	NPD	NPD	NPD	
	Point Load	NPD	NPD	NPD	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	NPD	NPD	NPD	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics <sup>a</sup>	NPD	NPD	NPD	NPD	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance <sup>b</sup>	NPD	NPD	NPD	NPD	
	Thermal conductivity <sup>b</sup>	NPD	NPD	NPD	NPD	
	Durability characteristics <sup>c</sup>	NPD	NPD	NPD	NPD	
Water Permeability	Short term water absorption	NPD	NPD	NPD	NPD	
	Long term water absorption	NPD	NPD	NPD	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	NPD	NPD	NPD	
Impact noise transmissions index (for floors)	Dynamic stiffness	NPD	NPD	NPD	NPD	
	Thickness <sup>dL</sup>	NPD	NPD	NPD	NPD	
	Compressibility <sup>c</sup>	NPD	NPD	NPD	NPD	
	Air flow resistivity	AFr5	AFr5	AFr5	AFr5	
Acoustic absorptions index	Sound absorption	NPD	NPD	NPD	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr5	AFr5	AFr5	AFr5	
Release of dangerous substances to the indoor environment	Release of dangerous substances <sup>e</sup>	NPD	NPD	NPD	NPD	
Shear strength	Shear strength	NPD	NPD	NPD	NPD	
Bending strength	Bending strength	NPD	NPD	NPD	NPD	
NPD – No performance determined						

Essential Characteristics	G4222MCCPR		Harmonised Technical Specification
	Performance	FD2/V	
Thermal Resistance	Thermal conductivity (W/mK)	0,034	EN 13162:2012 +A1:2015
	Thermal Resistance	See product label	
	Thickness range (mm)	25-260	
	Thickness tolerance	T4	
Reaction to Fire	Reaction to fire	A1	
Continuous glowing combustion	Continuous glowing combustion <sup>e</sup>	NPD	
Tensile/Flexural strength	Tensile strength perpendicular faces <sup>d</sup>	NPD	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	
	Point Load	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics <sup>a</sup>	NPD	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance <sup>b</sup>	NPD	
	Thermal conductivity <sup>b</sup>	NPD	
	Durability characteristics <sup>c</sup>	NPD	
Water Permeability	Short term water absorption	WS	
	Long term water absorption	WL(P)	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for floors)	Dynamic stiffness	NPD	
	Thickness <sup>d<sub>L</sub></sup>	NPD	
	Compressibility <sup>c</sup>	NPD	
	Air flow resistivity	AFr10	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr10	
Release of dangerous substances to the indoor environment	Release of dangerous substances <sup>e</sup>	NPD	
Shear strength	Shear strength	NPD	
Bending strength	Bending strength	NPD	
NPD – No performance determined			

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Domonique Bossan – Managing Director  
(name and function)



(Signature)

Krupka 12/12/2014  
(Place and date of issue)

- a No change in reaction to fire properties for MW Products  
The fire performance of MW does not deteriorate with time. The Euroclass classification of the product is related to the organic content, which cannot increase with time
- b Thermal conductivity of MW products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air
- c For dimensional stability thickness only
- d This characteristic also covers handling and installation
- e European test methods are under development
- f Also valid and applicable for multilayers