

# Declaration of Performance

## G4207CPCPR



1. Unique identification code of the product-type:  
Earthwool CarbonZero Roll, CarbonZero Loft Roll, Loft Roll Combi Cut, Loft Roll Ready Cut, Loft Roll Uncut, Universal Roll, Frametherm Roll
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 pursuant to article 11(5):  
Knauf Insulation Ltd.  
PO Box 10, Stafford Road, WA10 3NS St.Helens, Merseyside  
UK  
www.knaufinsulation.com - 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:  
BSI (Notified certification body No. 0086) 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.  
  
BSI (Notified certification body No. 0086) 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:  
See next page

Essential Characteristics	G4207CPCPR		Harmonised technical standard
	Performance	CarbonZero Loft Roll	
Thermal Resistance	Thermal conductivity (W/mK)	0,044	EN 13162:2012 + A1:2015
	Thermal Resistance	See product label	
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD {a}	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	NPD {d}	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	NPD	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for floors)	Dynamic stiffness	NPD	
	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}	
Continuous glowing combustion	Continuous glowing combustion	NPD {e}	
NPD - No performance determined			

Essential Characteristics	G4207CPCPR		Harmonised technical standard
	Performance	Earthwool CarbonZero Roll	
Thermal Resistance	Thermal conductivity (W/mK)	0,044	EN 13162:2012 + A1:2015
	Thermal Resistance	See product label	
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD {a}	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	NPD {d}	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	NPD	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for floors)	Dynamic stiffness	NPD	
	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}	
Continuous glowing combustion	Continuous glowing combustion	NPD {e}	
NPD - No performance determined			

Essential Characteristics	G4207CPCPR		Harmonised technical standard
	Performance	Frametherm Roll	
Thermal Resistance	Thermal conductivity (W/mK)	0,044	EN 13162:2012 + A1:2015
	Thermal Resistance	See product label	
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD {a}	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	NPD {d}	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	NPD	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for floors)	Dynamic stiffness	NPD	
	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}	
Continuous glowing combustion	Continuous glowing combustion	NPD {e}	
NPD - No performance determined			

Essential Characteristics	G4207CPCPR		Harmonised technical standard
	Performance	Loft Roll Combi Cut	
Thermal Resistance	Thermal conductivity (W/mK)	0,044	EN 13162:2012 + A1:2015
	Thermal Resistance	See product label	
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD {a}	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	NPD {d}	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	NPD	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for floors)	Dynamic stiffness	NPD	
	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}	
Continuous glowing combustion	Continuous glowing combustion	NPD {e}	
NPD - No performance determined			

Essential Characteristics	G4207CPCPR		Harmonised technical standard
	Performance	Loft Roll Ready Cut	
Thermal Resistance	Thermal conductivity (W/mK)	0,044	EN 13162:2012 + A1:2015
	Thermal Resistance	See product label	
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD {a}	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	NPD {d}	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	NPD	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for floors)	Dynamic stiffness	NPD	
	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}	
Continuous glowing combustion	Continuous glowing combustion	NPD {e}	
NPD - No performance determined			

Essential Characteristics	G4207CPCPR		Harmonised technical standard
	Performance	Loft Roll Uncut	
Thermal Resistance	Thermal conductivity (W/mK)	0,044	EN 13162:2012 + A1:2015
	Thermal Resistance	See product label	
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD {a}	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	NPD {d}	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	NPD	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for floors)	Dynamic stiffness	NPD	
	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}	
Continuous glowing combustion	Continuous glowing combustion	NPD {e}	
NPD - No performance determined			

Essential Characteristics	G4207CPCPR		Harmonised technical standard
	Performance	Universal Roll	
Thermal Resistance	Thermal conductivity (W/mK)	0,044	EN 13162:2012 + A1:2015
	Thermal Resistance	See product label	
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD {a}	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	NPD {d}	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	NPD	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for floors)	Dynamic stiffness	NPD	
	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}	
Continuous glowing combustion	Continuous glowing combustion	NPD {e}	
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 an on behalf of the manufacturer by:

David Atkinson - Plant manager  
(Name and function)



(Signature)

St. Helens - 08-09-17  
(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