

## Declaration of Performance

### G0001OPCPR

(This document references Knauf Insulation DOP G4207OPCPR and G4209OPCPR)

1. Unique Identification code of the product-type:  
DriTherm 32 Ultimate, EcoBatt 032, EcoBatt Slab, FactoryClad 32, FrameTherm Roll 32, Glass Slab 032 FF, Frametherm Slab, Rafter Roll, Room-in-Roof 032, Universal Slab CS48, Universal Slab CS48 SE, Factory Clad 32, 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 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:  
BSI (Notified certification body N° 0086) performed the initial inspection of the manufacturing plant and 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.  
  
BSI (Notified testing laboratory N°0086) performed the test reports for the other declared characteristics.
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	G0001OPCPR				Harmonised Technical Specification
	Performance	DriTherm 32 Ultimate	EcoBatt 032	EcoBatt Slab	
Thermal Resistance	Thermal conductivity (W/mK)	0.032	0.032	0.032	EN 13162:2012 +A1:2015
	Thermal Resistance	See product label			
	Thickness range (mm)	50 – 125mm	80 – 95mm	80 – 95mm	
	Thickness tolerance	T4	T4	T4	
Reaction to Fire	Reaction to fire	A1	A1	A1	
Continuous glowing combustion	Continuous glowing combustion <sup>e</sup>	NPD	NPD	NPD	
Tensile/Flexural strength	Tensile strength perpendicular faces	NPD	NPD	NPD	
Compressive Strength	Compressive Strength/Compressive Stress	NPD	NPD	NPD	
	Point Load	NPD	NPD	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	NPD	NPD	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics <sup>a</sup>	NPD	NPD	NPD	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance <sup>b</sup>	NPD	NPD	NPD	
	Thermal conductivity <sup>b</sup>	NPD	NPD	NPD	
	Durability characteristics <sup>c</sup>	NPD	NPD	NPD	
Water Permeability	Short term water absorption	WS	NPD	WS	
	Long term water absorption	NPD	NPD	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	NPD	NPD	
Impact noise transmissions index (for floors)	Dynamic stiffness	NPD	NPD	NPD	
	Thickness <sup>dL</sup>	NPD	NPD	NPD	
	Compressibility <sup>c</sup>	NPD	NPD	NPD	
	Air flow resistivity	NPD	NPD	NPD	
Acoustic absorptions index	Sound absorption	NPD	NPD	NPD	
Direct airborne sound insulation index	Air flow resistivity	NPD	NPD	NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances <sup>e</sup>	NPD	NPD	NPD	
NPD – No performance determined					

Essential Characteristics	G0001OPCPR				Harmonised Technical Specification
	Performance	FactoryClad 32	FrameTherm Roll 32	FrameTherm Slab 32	
Thermal Resistance	Thermal conductivity (W/mK)	0.032	0.032	0.032	EN 13162:2012 +A1:2015
	Thermal Resistance	See product label			
	Thickness range (mm)	200mm	170mm	170mm	
	Thickness tolerance	T1	T1	T1	
Reaction to Fire	Reaction to fire	F	F	F	
Continuous glowing combustion	Continuous glowing combustion <sup>e</sup>	NPD	NPD	NPD	
Tensile/Flexural strength	Tensile strength perpendicular faces <sup>f</sup>	NPD	NPD	NPD	
Compressive Strength	Compressive Strength / Compressive Stress	NPD	NPD	NPD	
	Point Load	NPD	NPD	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	NPD	NPD	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics <sup>a</sup>	NPD	NPD	NPD	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance <sup>b</sup>	NPD	NPD	NPD	
	Thermal conductivity <sup>b</sup>	NPD	NPD	NPD	
	Durability characteristics <sup>c</sup>	NPD	NPD	NPD	
Water Permeability	Short term water absorption	NPD	NPD	NPD	
	Long term water absorption	NPD	NPD	NPD	
Water vapour permeability	Water vapour transmission / water vapour diffusion resistance factor	NPD	NPD	NPD	
Impact noise transmissions index (for floors)	Dynamic stiffness	NPD	NPD	NPD	
	Thickness <sup>dL</sup>	NPD	NPD	NPD	
	Compressibility <sup>c</sup>	NPD	NPD	NPD	
	Air flow resistivity	NPD	NPD	NPD	
Acoustic absorptions index	Sound absorption	NPD	NPD	NPD	
Direct airborne sound insulation index	Air flow resistivity	NPD	NPD	NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances <sup>e</sup>	NPD	NPD	NPD	
NPD – No performance determined					

Essential Characteristics	G0001OPCPR			Harmonised Technical Specification
	Performance	Glass Slab 032 Foil faced	Rafter Roll	
Thermal Resistance	Thermal conductivity (W/mK)	0.032	0.032	EN 13162:2012 +A1:2015
	Thermal Resistance	See product label		
	Thickness range (mm)	98mm	50 -140mm	
	Thickness tolerance	T4	T1	
Reaction to Fire	Reaction to fire	F	A1	
Continuous glowing combustion	Continuous glowing combustion <sup>e</sup>	NPD	NPD	
Tensile/Flexural strength	Tensile strength perpendicular faces <sup>d</sup>	NPD	NPD	
Compressive Strength	Compressive Strength / Compressive Stress	NPD	NPD	
	Point Load	NPD	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	NPD	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics <sup>a</sup>	NPD	NPD	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance <sup>b</sup>	NPD	NPD	
	Thermal conductivity <sup>b</sup>	NPD	NPD	
	Durability characteristics <sup>c</sup>	NPD	NPD	
Water Permeability	Short term water absorption	NPD	NPD	
	Long term water absorption	NPD	NPD	
Water vapour permeability	Water vapour transmission / water vapour diffusion resistance factor	NPD	NPD	
Impact noise transmissions index (for floors)	Dynamic stiffness	NPD	NPD	
	Thickness <sup>dL</sup>	NPD	NPD	
	Compressibility <sup>c</sup>	NPD	NPD	
	Air flow resistivity	NPD	NPD	
Acoustic absorptions index	Sound absorption	NPD	NPD	
Direct airborne sound insulation index	Air flow resistivity	NPD	NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances <sup>e</sup>	NPD	NPD	

NPD – No performance determined

Essential Characteristics	G0001OPCPR				Harmonised Technical Specification
	Performance	Room – in – Roof Roll 032	Universal Slab CS48	Universal Slab CS48 SE	
Thermal Resistance	Thermal conductivity (W/mK)	0.032	0.032	0.032	EN 13162 2012 +A1:2015
	Thermal Resistance	See product label			
	Thickness range (mm)	100mm	25 – 75mm	40mm	
	Thickness tolerance	T1	T4	T4	
Reaction to Fire	Reaction to fire	A2	A1	A1	
Continuous glowing combustion	Continuous glowing combustion <sup>e</sup>	NPD	NPD	NPD	
Tensile/Flexural strength	Tensile strength perpendicular faces <sup>g</sup>	NPD	NPD	NPD	
Compressive Strength	Compressive Strength / Compressive Stress	NPD	NPD	NPD	
	Point Load	NPD	NPD	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	NPD	NPD	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics <sup>a</sup>	NPD	NPD	NPD	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance <sup>b</sup>	NPD	NPD	NPD	
	Thermal conductivity <sup>b</sup>	NPD	NPD	NPD	
	Durability characteristics <sup>c</sup>	NPD	NPD	NPD	
Water Permeability	Short term water absorption	NPD	NPD	NPD	
	Long term water absorption	NPD	NPD	NPD	
Water vapour permeability	Water vapour transmission / water vapour diffusion resistance factor	NPD	NPD	NPD	
Impact noise transmissions index (for floors)	Dynamic stiffness	NPD	NPD	NPD	
	Thickness <sup>dL</sup>	NPD	NPD	NPD	
	Compressibility <sup>c</sup>	NPD	NPD	NPD	
	Air flow resistivity	NPD	NPD	NPD	
Acoustic absorptions index	Sound absorption	NPD	NPD	NPD	
Direct airborne sound insulation index	Air flow resistivity	NPD	NPD	NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances <sup>e</sup>	NPD	NPD	NPD	
NPD – No performance determined					

Essential characteristics	DOP No G0001OPCPR			Harmonised technical specification
	Performance	Factoryclad 32	Frametherm Roll	
Thermal Resistance	Thermal conductivity (W/mK)	0.032	0.032	EN 13162:2012 +A1:2015
	Thermal Resistance	See product Label	See Product Label	
	Thickness range (mm)	80-120	90	
	Thickness tolerance	T1	T1	
Reaction to Fire	Reaction to fire	A1	A1	
Continuous glowing combustion	Continuous glowing combustion <sup>e</sup>	NPD	NPD	
Tensile/Flexural strength	Tensile strength perpendicular faces <sup>d</sup>	NPD	NPD	
Compressive Strength	Compressive Stress / Compression Stress	NPD	NPD	
	Point Load	NPD	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	NPD	
Durability of reaction to fire against heat, weathering, ageing/degradation	Durability Characteristics <sup>a</sup>	NPD	NPD	
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal Resistance <sup>b</sup>	NPD	NPD	
	Thermal conductivity <sup>b</sup>	NPD	NPD	
	Durability characteristics <sup>c</sup>	NPD	NPD	
Water Permeability	Short term water absorption	NPD	NPD	
	Long term water absorption	NPD	NPD	
Water vapour permeability	Water vapor transmission, water vapour diffusion resistance factor	NPD	NPD	
Impact noise transmissions index (for floors)	Dynamic stiffness	NPD	NPD	
	Thickness <sup>d<sub>L</sub></sup>	NPD	NPD	
	Compressibility <sup>c</sup>	NPD	NPD	
	Air flow resistivity	NPD	NPD	
Acoustic absorptions index	Sound absorption	NPD	NPD	
Direct airborne sound insulation index	Air flow resistivity	NPD	NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances <sup>e</sup>	NPD	NPD	

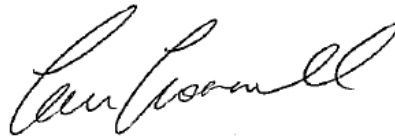
NPD – No performance determined

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:

Ian Gornall - Plant Manager  
(Name and function)



(Signature)

St Helens, UK - 16/11/2015  
(Place and date of issue)

Darren Holt - Plant Manager  
(Name and function)



(Signature)

Cwmbran – 16/11/2015  
(Place and date of issue)

*This document is outside of the Knauf Insulation management system and therefore 'uncontrolled'.*

*To ensure accuracy of the required information, please refer to: [www.dopki.com](http://www.dopki.com) using the DOP code provided on the product packaging.*

- <sup>a</sup> 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
- <sup>b</sup> 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
- <sup>c</sup> For dimensional stability thickness only
- <sup>d</sup> This characteristic also covers handling and installation
- <sup>e</sup> European test methods are under development
- <sup>f</sup> Also valid and applicable for multilayers