Declaration of Performance



T4305CPCPR

1. Unique identification code of the product-type:

Power-tek BD 700, Power-tek BD 700 ALU, Fire-tek BD 917, Fire-tek BD 917 ALB, Fire-tek BD 918

2. Intended use or uses:

Thermal Insulation products for building equipment and industrial installations

3. Manufacturer:

Knauf Insulation d.o.o.
Varaždinska 140, 42220 Novi Marof
Croatia
www.knaufinsulation.com - dop@knaufinsulation.com

4. Authorised representative:

Not applicable

5. System or systems of assessment and verification of constancy of performance:

AVCP System 1 for Reaction to Fire AVCP System 3 for the other characteristics

6a. <u>Harmonized Standard:</u>

EN 14303:2009 + A1:2013

Notified body or bodies:

AVCP System 1: (Notified certification body) 0751 - Forschungsinstitut für Wärmeschutz e. V. München FIW München ---

AVCP System 3: (Notified testing laboratory) 0751 - Forschungsinstitut für Wärmeschutz e. V. München FIW München --- --- ---

6b. European Assessment document: not applicable

European Technical Assessment: not applicable Technical Assessment Body: not applicable

Notified body/ies: not applicable

7. Declared Performances:

See next page

T4305CPCPR 27-08-21 Version 6.0 1/7

T4305CPCPR Fire-teK BD 917



Essential Characteristics	T4305CPCPR			Harmonised Technical	
	Performance		Fire-teK BD 917	Standard	
Reaction to fire	Reaction to fire		A1	EN 14303:2009 + A1:2013	
Acoustic Absorption Index	Sound Absorption		NPD	_	
Water Permeability	Water Absorption		WS1	-	
Water Vapour Permeability	Water Vapour Diffusion Resistance		NPD		
Compressive Strength	Compressive Stress or Compressive Strength for Flat Products		NPD		
Rate of release of corrosive substances	Trace quantities of water-soluble value	ons and the pH-	CL 10		
Release of Dangerous Substances to the indoor environment	Release of Dangerous Substances		NPD		
Continuous glowing combustion	Continuous glowing com	bustion	NPD	-	
Durability of reaction to fire against ageing / degradation	Durability characteris	tics	NPD {b}		
Durability of thermal resistance against	Thomas Conductivity		NDD (c)	_	
ageing/degradation	Thermal Conductivity		NPD {c}	_	
	Dimensional Stability Maximum service temperature - dimensional stability		700 °C	_	
	Durability characteristics		NPD		
Durability of reaction to fire against high temperature	Durability characteristics		NPD {d}		
Durability of thermal resistance against high	Durability Characteristics		NPD {c}		
temperature	Maximum service temperature - dimensional stability		700 °C		
Thermal Resistance	Dimensions & Tolerar		20 - 160 / T5		
	Thermal conductivity (W/mk) at Temperature in °C	50	0,041		
	remperature in C	100	0,045		
		200	0,059		
		300	0,075		
		300 400	0,075 0,095		
		300	0,075		
		300 400	0,075 0,095		
		300 400 500	0,075 0,095 0,119		

T4305CPCPR 27-08-21 Version 6.0 2/7

T4305CPCPR Fire-teK BD 917 ALB



Essential Characteristics	T4305CPCPR			Harmonised Technical	
	Performance		Fire-teK BD 917 ALB	Standard	
Reaction to fire	Reaction to fire		A1	EN 14303:2009 + A1:2013	
Acoustic Absorption Index	Sound Absorption	1	NPD	-	
Water Permeability	Water Absorption		WS1	-	
Water Vapour Permeability	Water Vapour Diffusion Resistance		NPD	1	
Compressive Strength	Compressive Stress or Compressive Strength for Flat Products		NPD		
Rate of release of corrosive substances	Trace quantities of water-soluble value	ions and the pH-	CL 10		
Release of Dangerous Substances to the indoor environment			NPD		
Continuous glowing combustion	Continuous glowing com	bustion	NPD	1	
Durability of reaction to fire against ageing / degradation	Durability characteris	itics	NPD {b}		
Durability of thermal resistance against	The section of the se		NDD (c)	_	
ageing/degradation	Thermal Conductivity Dimensional Stability		NPD {c}	-	
	Maximum service temperature - dimensional stability		700 °C	_	
	Durability characteristics		NPD		
Durability of reaction to fire against high temperature	Durability characteristics		NPD {d}	_	
Durability of thermal resistance against high	Durability Characteristics		NPD {c}	_	
temperature	Maximum service temperature - dimensional stability		700 °C		
Thermal Resistance	Dimensions & Tolerances		20 - 160 / T5	1	
	Thermal conductivity (W/mk) at	50	0,041	1	
	Temperature in °C	100	0,045	1	
		200	0,059	1	
		300	0,075	1	
		400	0,095	7	
		500	0,119	1	
		600	0,147	1	
		700	0,178	1	
		NPD	NPD	1	
	NPD - No performance	e determined			

T4305CPCPR 27-08-21 Version 6.0 3/7

T4305CPCPR Fire-teK BD 918



Essential Characteristics	T4305CPCPR			Harmonised Technical	
	Performance		Fire-teK BD 918	Standard	
Reaction to fire	ction to fire Reaction to fire		A1	EN 14303:2009 + A1:2013	
Acoustic Absorption Index	Sound Absorption		NPD		
Water Permeability	Water Absorption		WS1		
Water Vapour Permeability	Water Vapour Diffusion Resistance		NPD	_	
Compressive Strength	Compressive Stress or Compressive Strength for Flat Products		NPD		
Rate of release of corrosive substances	Trace quantities of water-soluble value	ions and the pH-	CL 10		
Release of Dangerous Substances to the indoor environment	Release of Dangerous Sub	ostances	NPD		
Continuous glowing combustion	Continuous glowing com	bustion	NPD		
Durability of reaction to fire against ageing / degradation	Durability characteris	tics	NPD {b}		
Durability of thermal resistance against	Thormal Conductivity		NPD {c}	_	
ageing/degradation	Thermal Conductivity Dimensional Stability		NPD (C)	_	
	Maximum service temperature - dimensional stability		700 °C	_	
	Durability characteristics		NPD		
Durability of reaction to fire against high temperature	Durability characteristics		NPD {d}		
Durability of thermal resistance against high	Durability Characteristics		NPD {c}		
temperature	Durability Characteristics Maximum service temperature - dimensional stability		700 °C	_	
			700 C		
Thermal Resistance	Dimensions & Tolerances		20 - 160 / T5		
	Thermal conductivity (W/mk) at	50	0,041	7	
	Temperature in °C	100	0,045		
		200	0,059		
		300	0,075		
		400	0,095		
		500	0,119		
		600	0,147		
		700	0,178		
		NPD	NPD		
	NPD - No performance	e determined		<u> </u>	

T4305CPCPR 27-08-21 Version 6.0 4/7

T4305CPCPR Power-teK BD 700



Essential Characteristics	T4305CPCPR			Harmonised Technical	
	Performance		Power-teK BD 700	Standard	
Reaction to fire	Reaction to fire		A1	EN 14303:2009 + A1:2013	
Acoustic Absorption Index	Sound Absorption		NPD		
Water Permeability	Water Absorption		WS1	-	
Water Vapour Permeability	Water Vapour Diffusion Resistance		NPD	_	
Compressive Strength	Compressive Stress or Compressive Strength for Flat Products		NPD		
Rate of release of corrosive substances	Trace quantities of water-soluble value	ions and the pH-	CL 10		
Release of Dangerous Substances to the indoor environment	Release of Dangerous Sub	ostances	NPD		
Continuous glowing combustion	Continuous glowing com	bustion	NPD	7	
Durability of reaction to fire against ageing / degradation	Durability characteris	tics	NPD {b}		
Durability of thermal resistance against	Thomas Conduction		NDD (c)		
ageing/degradation	Thermal Conductivity Dimensional Stability		NPD {c}	-	
	Maximum service temperature - dimensional stability		700 °C		
	Durability characteristics		NPD		
Durability of reaction to fire against high temperature	Durability characteristics		NPD {d}		
Durability of thermal resistance against high	Durahility Characteristics		NPD {c}	_	
temperature	Durability Characteristics Maximum service temperature - dimensional stability		700 °C		
			700 0		
Thermal Resistance	Dimensions & Tolerances		20 - 160 / T5	-	
	Thermal conductivity (W/mk) at	50	0,041	7	
	Temperature in °C	100	0,045	7	
		200	0,059	7	
		300	0,075		
		400	0,095	7	
		500	0,119	7	
		600	0,147		
		700	0,178		
		NPD	NPD		
	NPD - No performance	e determined			

T4305CPCPR 27-08-21 Version 6.0 5/7

T4305CPCPR Power-teK BD 700 ALU



Essential Characteristics	T4305CPCPR			Harmonised Technical	
	Performance		Power-teK BD 700 ALU	Standard	
Reaction to fire	Reaction to fire		A1	EN 14303:2009 + A1:2013	
Acoustic Absorption Index	Sound Absorption		NPD		
Water Permeability	Water Absorption		WS1	1	
Water Vapour Permeability	Water Vapour Diffusion Resistance		MV2	1	
Compressive Strength	Compressive Stress or Compressive Strength for Flat Products		NPD		
Rate of release of corrosive substances	Trace quantities of water-soluble value	ions and the pH-	CL 10	-	
Release of Dangerous Substances to the indoor environment	Release of Dangerous Substances		NPD		
Continuous glowing combustion	Continuous glowing com	bustion	NPD	-	
Durability of reaction to fire against ageing / degradation	Durability characteris	tics	NPD {b}		
Durahilitus fith annual resistance acciost	The world control in		AIDD (-)		
Durability of thermal resistance against ageing/degradation	Thermal Conductivity Dimensional Stability		NPD {c}	_	
	Maximum service temperature - dimensional stability		700 °C	-	
	Durability characteristics		NPD		
Durability of reaction to fire against high temperature	Durability characteristics		NPD {d}		
Durability of thermal resistance against high	Durability Characteristics		NPD {c}	_	
temperature	Maximum service temperature - dimensional		700 °C	_	
The control of the co	stability		20, 420 / 75	-	
Thermal Resistance	Dimensions & Toleran		20 - 120 / T5	-	
	Thermal conductivity (W/mk) at Temperature in °C	50	0,041	_	
		100	0,045	_	
		200	0,059	_	
		300	0,075	_	
		400	0,095	-	
		500	0,119	-	
		600	0,147	_	
		700	0,178 NPD	-	
	NPD - No performance	NPD			

T4305CPCPR 27-08-21 Version 6.0 6/7



8. Appropriate Technical Documentation and / or Specific Technical Documentation:

Not applicable

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 an on behalf of the manufacturer by:

Stjepan Mršić - Plant manager

(Name and function)

Novi Marof - 27-08-21

(Place and date of issue)

Footnotes

{a} The requirement on a certain characteristic is not applicable in those Member Stats (MSs) where there are no regulatory requirements on that characteristic for the intended use of the product. In this case, manufacturers placing their products on the market of these MSs are not obliged to determine nor declare the performance of their products with regard to this characteristic and the option 'No performance determined' (NPD) in the information accompanying the CE marking (see ZS.3) may be used. The NPD option may not be used, however, where the characteristic is subject to a threshold level (thermal resistance (thermal conductivity and thickness)).

{b} The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of the product is related to the organic contents, which cannot increase with time.

{c} Thermal conductivity of mineral wool 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.

{d} The fire performance of mineral wool does not deteriorate with high temperature. The Euroclass classification of the product is related to the organic content, which remains constant or decreases with high temperature.

T4305CPCPR 27-08-21 Version 6.0 7/7