Declaration of Performance



T4305LPCPR

1. <u>Unique identification code of the product-type:</u>

Power-tek BD 450, Thermo-tek BD 050, Thermo-tek BD 050 ALU, Thermo-tek BD 050 VWS, Thermo-tek BD 050 VBS, Thermo-tek BD 050 WBS, Power-tek BD 450 ALU, Thermo-tek BD 060, Thermo-tek BD 060 ALU, Thermo-tek BD 060 VWS, Thermo-tek BD 060 VBS, Thermo-tek BD 060 WBS, Thermo-tek BD 050 ALD, Thermo-tek BD 060 ALD

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. <u>Authorised representative:</u>

Not applicable

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

AVCP System 1 for Reaction to Fire A1, A2, B, C AVCP System 3 for Reaction to Fire D, E AVCP System 4 for Reaction to Fire F 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, 0797 - Technische Universität München Holzforschung München (HFM@TUM)

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

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T4305LPCPR Power-teK BD 450



Essential Characteristics		T4305LPCPR			
	Performance		Power-teK BD 450	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 Re	sistance	NPD		
Compressive Strength	Compressive Stress or Compressi Flat Products	ve Strength for	NPD		
Rate of release of corrosive substances	Trace quantities of water-soluble i value	ons and the pH-	CL10		
Release of Dangerous Substances to the indoor environment	Release of Dangerous Sub	stances	NPD		
Continuous glowing combustion	Continuous glowing com	oustion	NPD	-	
Durability of reaction to fire against ageing / degradation	Durability characteristics		NPD {b}		
Durability of thermal resistance against	Thermal Conductivity		NPD {c}		
ageing/degradation	Dimensional Stabilit	:y	NPD		
	Maximum service temperature stability	dimensional	ST(+)450		
	Durability characteris	tics	NPD		
Durability of reaction to fire against high temperature	Durability characteris	tics	NPD {d}		
Durability of thermal resistance against high	Durability Characteris	tics	NPD {c}	_	
temperature	Maximum service temperature stability		ST(+)450		
Thermal Resistance	Dimensions & Tolerar	ices	50 - 140 / T5		
	Thermal conductivity (W/mk) at	NPD	NPD	-	
	Temperature in °C	50	0,041	_	
		100	0,048	-	
		150	0,058	-	
		200	0,071	7	
		250	0,088		
		300	0,108		
		400	0,157	_	

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T4305LPCPR Power-teK BD 450 ALU



Essential Characteristics		T4305LPCPR		Harmonised Technica
	Performance		Power-teK BD 450 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	-
Water Vapour Permeability	Water Vapour Diffusion Re	esistance	MV2	-
Compressive Strength	Compressive Stress or Compressi Flat Products	ve Strength for	NPD	
Rate of release of corrosive substances	Trace quantities of water-soluble i value	ons and the pH-	CL10	-
Release of Dangerous Substances to the indoor environment	Release of Dangerous Sub	stances	NPD	
Continuous glowing combustion	Continuous glowing com	oustion	NPD	1
Durability of reaction to fire against ageing / degradation	Durability characteristics		NPD {b}	-
Durability of thermal resistance against	Thermal Conductivity		NPD {c}	-
ageing/degradation	Dimensional Stability		NPD	-
	Maximum service temperature stability	- dimensional	ST(+)450	-
	Durability characteris	tics	NPD	-
Durability of reaction to fire against high temperature	Durability characteris	tics	NPD {d}	-
Durability of thermal resistance against high	Durability Characteris	tics	NPD {c}	_
temperature	Maximum service temperature stability		ST(+)450	-
Thermal Resistance	Dimensions & Tolerar	nces	50 - 140 / T5	-
	Thermal conductivity (W/mk) at	NPD	NPD	-
	Temperature in °C	50	0,041	1
		100	0,048	-
		150	0,058	-
		200	0,071	-
		250	0,088	-
		300	0,108	-
			0.457	-
		400	0,157	

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T4305LPCPR Thermo-teK BD 050



Essential Characteristics T4305LPCPR				Harmonised Technica	
	Performance		Thermo-teK BD 050	Standard	
Reaction to fire	Reaction to fire		A1	EN 14303:2009 + A1:2013	
Acoustic Absorption Index	Sound Absorption	<u> </u>	NPD		
Water Permeability	Water Absorption		WS1	-	
Water Vapour Permeability	Water Vapour Diffusion Resistance		NPD	_	
Compressive Strength	Compressive Stress or Compress Flat Products		NPD		
Rate of release of corrosive substances	Trace quantities of water-soluble value	ions and the pH-	CL10		
Release of Dangerous Substances to the indoor environment	Release of Dangerous Sul	ostances	NPD		
Continuous glowing combustion	Continuous glowing com	Continuous glowing combustion		7	
Durability of reaction to fire against ageing / degradation	Durability characteristics		NPD {b}		
Durability of thermal resistance against	Thermal Conductivity		NPD {c}	-	
ageing/degradation	Dimensional Stability		NPD	-	
	Maximum service temperature - dimensional stability		ST(+)250		
	Durability characteris	stics	NPD	-	
Durability of reaction to fire against high temperature	Durability characteristics		NPD {d}		
Durability of thermal resistance against high	Durability Characteri	stics	NPD {c}	_	
temperature	Maximum service temperature stability		ST(+)250		
Thermal Resistance	Dimensions & Tolera	nces	30 - 255 / T5		
	Thermal conductivity (W/mk) at	10	0,035	-	
	Temperature in °C	40	0,039	-	
		50	0,041	-	
		100	0,048	-	
		150	0,058	-	
		200	0,071	-	
		250	0,088	-	
		NPD	NPD	-	
		NPD	NPD	-	
	NPD - No performanc		IN D		

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T4305LPCPR Thermo-teK BD 050 ALD



Essential Characteristics	Essential Characteristics T4305LPCPR				
	Performance	Performance		Standard	
Reaction to fire	Reaction to fire	Reaction to fire		EN 14303:2009 + A1:2013	
Acoustic Absorption Index	Sound Absorption	1	NPD		
Water Permeability	Water Absorption	1	WS1		
Water Vapour Permeability	Water Vapour Diffusion Resistance		MV2	-	
Compressive Strength	Compressive Stress or Compress Flat Products		NPD		
Rate of release of corrosive substances	Trace quantities of water-soluble value	ions and the pH-	CL10		
Release of Dangerous Substances to the indoor environment	Release of Dangerous Sul	ostances	NPD		
Continuous glowing combustion	Continuous glowing com	Continuous glowing combustion		1	
Durability of reaction to fire against ageing / degradation	Durability characteristics		NPD {b}		
Durability of thermal resistance against	Thermal Conductivity		NPD {c}		
ageing/degradation	Dimensional Stability		NPD		
	Maximum service temperature stability	- dimensional	ST(+)250	-	
	Durability characteris	stics	NPD	-	
Durability of reaction to fire against high temperature	Durability characteris	stics	NPD {d}		
Durability of thermal resistance against high	Durability Characteri	etics	NPD {c}		
temperature	Maximum service temperature stability		ST(+)250		
Thermal Resistance	Dimensions & Tolera	nces	30 - 255 / T5		
	Thermal conductivity (W/mk) at	10	0,035	-	
	Temperature in °C	40	0,035		
		50			
			0,041		
		100	0,048		
		150	0,058		
		200	0,071		
		250	0,088	_	
		NPD	NPD		
		NPD	NPD	I	

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T4305LPCPR Thermo-teK BD 050 ALU



Essential Characteristics		T4305LPCPR		Harmonised Technical	
	Performance		Thermo-teK BD 050 ALU	Standard	
Reaction to fire	Reaction to fire	Reaction to fire		EN 14303:2009 + A1:2013	
Acoustic Absorption Index	Sound Absorption	1	NPD	-	
Water Permeability	Water Absorption		WS1	-	
Water Vapour Permeability	Water Vapour Diffusion Resistance		MV2	-	
Compressive Strength	Compressive Stress or Compress Flat Products		NPD		
Rate of release of corrosive substances	Trace quantities of water-soluble value	ions and the pH-	CL10		
Release of Dangerous Substances to the indoor environment	Release of Dangerous Sul	ostances	NPD	-	
Continuous glowing combustion	Continuous glowing com	bustion	NPD	-	
Durability of reaction to fire against ageing / degradation	Durability characteristics		NPD {b}		
Durability of thermal resistance against	Thermal Conductivity NPD {c}		NPD {c}	_	
ageing/degradation	Dimensional Stability		NPD	-	
	Maximum service temperature - dimensional stability		ST(+)250		
	Durability characteris	stics	NPD	-	
Durability of reaction to fire against high temperature	Durability characteristics Durability characteristics		NPD {d}		
Durability of thermal resistance against high	Durability Characteri	stics	NPD {c}	-	
temperature	Maximum service temperature stability		ST(+)250		
Thermal Resistance	Dimensions & Tolera	nces	40 - 255 / T5		
	Thermal conductivity (W/mk) at	10	0,035	_	
	Temperature in °C	40	0,039	-	
		50	0,041	-	
		100	0,048	-	
		150	0,058	-	
		200	0,071	-	
		250	0,088	-	
		NPD	NPD	-	
		NPD	NPD	-	
	NPD - No performanc	e determined			

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T4305LPCPR Thermo-teK BD 050 VBS



Essential Characteristics		T4305LPCPR			
	Performance		Thermo-teK BD 050 VBS	Standard	
Reaction to fire	Reaction to fire		A1	EN 14303:2009 + A1:2013	
Acoustic Absorption Index	Sound Absorption	1	NPD	-	
Water Permeability	Water Absorption	1	WS1	1	
Water Vapour Permeability	Water Vapour Diffusion Resistance		NPD	-	
Compressive Strength	Compressive Stress or Compress Flat Products	ive Strength for	NPD		
Rate of release of corrosive substances	Trace quantities of water-soluble value	ions and the pH-	CL10	-	
Release of Dangerous Substances to the indoor environment	Release of Dangerous Su	bstances	NPD	-	
Continuous glowing combustion	Continuous glowing com	bustion	NPD	1	
Durability of reaction to fire against ageing / degradation	Durability characteristics		NPD {b}		
Durability of thermal resistance against	Thermal Conductivity		NPD {c}	-	
ageing/degradation	Dimensional Stability		NPD	-	
	Maximum service temperature - dimensional stability		ST(+)250	-	
	Durability characteri	stics	NPD	-	
Durability of reaction to fire against high temperature	Durability characteri	stics	NPD {d}	-	
Durability of thermal resistance against high	Durability Characteri	stics	NPD {c}		
temperature	Maximum service temperature stability		ST(+)250	-	
Thermal Resistance	Dimensions & Tolera	nces	40 - 255 / T5	-	
	Thermal conductivity (W/mk) at	10	0,035		
	Temperature in °C	40	0,039	-	
		50	0,041	-	
		100	0,048	-	
		150	0,058	-	
		200	0,071	1	
		250	0,088	1	
		NPD	NPD	1	
		NPD	NPD	1	
	NPD - No performano	e determined			

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T4305LPCPR Thermo-teK BD 050 VWS



Essential Characteristics		Harmonised Technical		
	Performance		Thermo-teK BD 050 VWS	- 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	-
Compressive Strength	Compressive Stress or Compress Flat Products		NPD	
Rate of release of corrosive substances	Trace quantities of water-soluble value	ions and the pH-	CL10	
Release of Dangerous Substances to the indoor environment	Release of Dangerous Sul	ostances	NPD	-
Continuous glowing combustion	Continuous glowing com	bustion	NPD	1
Durability of reaction to fire against ageing / degradation	Durability characteristics		NPD {b}	
Durability of thermal resistance against	Thermal Conductivity		NPD {c}	_
ageing/degradation	Dimensional Stability		NPD	-
	Maximum service temperature stability	- dimensional	ST(+)250	
	Durability characteri	stics	NPD	-
Durability of reaction to fire against high temperature	Durability characteri	stics	NPD {d}	
Durability of thermal resistance against high	Durability Characteri	stics	NPD {c}	
temperature	Maximum service temperature		ST(+)250	
	stability			
Thermal Resistance	Dimensions & Tolera	nces	40 - 255 / T5	
	Thermal conductivity (W/mk) at	10	0,035	-
	Temperature in °C	40	0,039	-
		50	0,041	-
		100	0,048	_
		150	0,058	-
		200	0,071	-
		250	0,088	-
		NPD	NPD	-
		NPD	NPD	-
	NPD - No performano	e determined		

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T4305LPCPR Thermo-teK BD 050 WBS



Essential Characteristics T4305LPCPR				Harmonised Technica
	Performance		Thermo-teK BD 050 WBS	- Standard
Reaction to fire	Reaction to fire	Reaction to fire		EN 14303:2009 + A1:2013
Acoustic Absorption Index	Sound Absorption	1	NPD	
Water Permeability	Water Absorption	1	WS1	-
Water Vapour Permeability	Water Vapour Diffusion Resistance		NPD	-
Compressive Strength	Compressive Stress or Compress Flat Products		NPD	
Rate of release of corrosive substances	Trace quantities of water-soluble value	ions and the pH-	CL10	
Release of Dangerous Substances to the indoor environment	Release of Dangerous Sul	bstances	NPD	
Continuous glowing combustion	Continuous glowing com	bustion	NPD	1
Durability of reaction to fire against ageing / degradation	Durability characteristics		NPD {b}	
Durability of thermal resistance against	Thermal Conductivity		NPD {c}	
ageing/degradation	Dimensional Stability		NPD	-
	Maximum service temperature - dimensional stability		ST(+)250	
	Durability characteris	stics	NPD	-
Durability of reaction to fire against high temperature	Durability characteris		NPD {d}	
Durability of thermal resistance against high	Durability Characteri	stics	NPD {c}	-
temperature	Maximum service temperature stability		ST(+)250	
Thermal Resistance	Dimensions & Tolera	nces	40 - 255 / T5	
	Thermal conductivity (W/mk) at	10	0,035	
	Temperature in °C	40	0,039	-
		50	0,041	-
		100	0,048	-
		150	0,058	-
		200	0,071	-
		250	0,088	-
		NPD	NPD	-
		NPD	NPD	-
	NPD - No performanc		2	

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T4305LPCPR Thermo-teK BD 060



Essential Characteristics		T4305LPCPR			
	Performance		Thermo-teK BD 060	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 R	esistance	NPD		
Compressive Strength	Compressive Stress or Compress Flat Products	ive Strength for	NPD		
Rate of release of corrosive substances	Trace quantities of water-soluble value	ions and the pH-	CL10		
Release of Dangerous Substances to the indoor environment	Release of Dangerous Su	bstances	NPD		
Continuous glowing combustion	Continuous glowing com	bustion	NPD		
Durability of reaction to fire against ageing / degradation	Durability characteristics		NPD {b}		
Durability of thermal resistance against	Thermal Conductiv	ity	NPD {c}	_	
ageing/degradation	Dimensional Stability		NPD	_	
	Maximum service temperature - dimensional stability		ST(+)250		
	Durability characteri	stics	NPD	_	
Durability of reaction to fire against high temperature	Durability characteri	stics	NPD {d}		
Durability of thermal resistance against high	Durability Characteri	stics	NPD {c}	_	
temperature	Maximum service temperature stability		ST(+)250		
Thermal Resistance	Dimensions & Tolera	nces	30 - 255 / T5		
	Thermal conductivity (W/mk) at	10	0,035	_	
	Temperature in °C	40	0,039	-	
		50	0,041	_	
		100	0,048	_	
		150	0,058	_	
		200	0,071		
		250	0,088	_	
		NPD	NPD		
		NPD	NPD	_	
	NPD - No performano	e determined			

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T4305LPCPR Thermo-teK BD 060 ALD



Essential Characteristics T4305LPCPR				Harmonised Technical
	Performance		Thermo-teK BD 060 ALD	- Standard
Reaction to fire	Reaction to fire	Reaction to fire		EN 14303:2009 + A1:2013
Acoustic Absorption Index	Sound Absorption	1	NPD	-
Water Permeability	Water Absorption		WS1	-
Water Vapour Permeability	Water Vapour Diffusion Resistance		MV2	-
Compressive Strength	Compressive Stress or Compress Flat Products		NPD	-
Rate of release of corrosive substances	Trace quantities of water-soluble value	ions and the pH-	CL10	
Release of Dangerous Substances to the indoor environment	Release of Dangerous Sul	ostances	NPD	-
Continuous glowing combustion	Continuous glowing com	bustion	NPD	1
Durability of reaction to fire against ageing / degradation	Durability characteristics		NPD {b}	-
Durability of thermal resistance against	Thermal Conductivity		NPD {c}	
ageing/degradation	Dimensional Stability		NPD	-
	Maximum service temperature - dimensional stability		ST(+)250	-
	Durability characteris	stics	NPD	-
Durability of reaction to fire against high temperature	Durability characteris	stics	NPD {d}	
Durability of thermal resistance against high	Durability Characteri	stics	NPD {c}	-
temperature	Maximum service temperature stability		ST(+)250	-
	Dimensions & Tolerances		20 255 / 75	-
Thermal Resistance	Dimensions & Tolera	nces	30 - 255 / T5	
Thermal Resistance		10		-
Thermal Resistance	Thermal conductivity (W/mk) at Temperature in °C		0,035	-
Thermal Resistance	Thermal conductivity (W/mk) at	10		-
Thermal Resistance	Thermal conductivity (W/mk) at	10 40	0,035 0,039	
Thermal Resistance	Thermal conductivity (W/mk) at	10 40 50	0,035 0,039 0,041	
Thermal Resistance	Thermal conductivity (W/mk) at	10 40 50 100	0,035 0,039 0,041 0,048	
Thermal Resistance	Thermal conductivity (W/mk) at	10 40 50 100 150	0,035 0,039 0,041 0,048 0,058	
Thermal Resistance	Thermal conductivity (W/mk) at	10 40 50 100 150 200	0,035 0,039 0,041 0,048 0,058	

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T4305LPCPR Thermo-teK BD 060 ALU



Essential Characteristics T4305LPCPR				Harmonised Technical
	Performance		Thermo-teK BD 060 ALU	- Standard
Reaction to fire	Reaction to fire	Reaction to fire		EN 14303:2009 + A1:2013
Acoustic Absorption Index	Sound Absorption	1	NPD	-
Water Permeability	Water Absorption		WS1	-
Water Vapour Permeability	Water Vapour Diffusion Resistance		MV2	-
Compressive Strength	Compressive Stress or Compress Flat Products		NPD	
Rate of release of corrosive substances	Trace quantities of water-soluble value	ions and the pH-	CL10	
Release of Dangerous Substances to the indoor environment	Release of Dangerous Sul	ostances	NPD	
Continuous glowing combustion	Continuous glowing com	Continuous glowing combustion		1
Durability of reaction to fire against ageing / degradation	Durability characteristics		NPD {b}	-
Durability of thermal resistance against	Thermal Conductivity		NPD {c}	_
ageing/degradation	Dimensional Stability		NPD	-
	Maximum service temperature - dimensional stability		ST(+)250	-
	Durability characteris	stics	NPD	-
Durability of reaction to fire against high temperature	Durability characteris	stics	NPD {d}	
Durability of thermal resistance against high	Durability Characteri	stics	NPD {c}	
temperature	Maximum service temperature stability		ST(+)250	-
Thermal Resistance	Dimensions & Tolera	nces	30 - 255 / T5	_
	Thermal conductivity (W/mk) at	10	0,035	-
	Temperature in °C	40	0,039	-
		50	0,041	-
		100	0,048	-
		150	0,058	-
		200	0,071	-
		250	0,088	-
		NPD	NPD	-
		NPD	NPD	-
	NPD - No performanc		141 D	

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T4305LPCPR Thermo-teK BD 060 VBS



Essential Characteristics	Harmonised Technical				
	Performance		Thermo-teK BD 060 VBS	Standard	
Reaction to fire	Reaction to fire		A1	EN 14303:2009 + A1:2013	
Acoustic Absorption Index	Sound Absorption	1	NPD		
Water Permeability	Water Absorption	1	WS1		
Water Vapour Permeability	Water Vapour Diffusion Resistance		NPD		
Compressive Strength	Compressive Stress or Compress Flat Products		NPD		
Rate of release of corrosive substances	Trace quantities of water-soluble value	ions and the pH-	CL10		
Release of Dangerous Substances to the indoor environment	Release of Dangerous Sul	ostances	NPD		
Continuous glowing combustion	Continuous glowing com	bustion	NPD	-	
Durability of reaction to fire against ageing / degradation	Durability characteristics		NPD {b}		
Durability of thermal resistance against	Thermal Conductivity		NPD {c}		
ageing/degradation	Dimensional Stability		NPD	-	
	Maximum service temperature - dimensional stability		ST(+)250		
	Durability characteris	stics	NPD	-	
Durability of reaction to fire against high temperature	Durability characteristics		NPD {d}		
Durability of thermal resistance against high	Durability Characteri	etics	NPD {c}		
temperature	Maximum service temperature stability		ST(+)250		
Thermal Resistance	Dimensions & Tolera	nces	30 - 255 / T5		
	Thermal conductivity (W/mk) at	10	0,035		
	Temperature in °C	40			
			0,039		
		50	0,041		
		100	0,048		
		150	0,058		
		200	0,071		
		250	0,088		
		NPD	NPD		
		NPD	NPD		

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T4305LPCPR Thermo-teK BD 060 VWS



Essential Characteristics	T4305LPCPR			Harmonised Technical		
	Performance		Thermo-teK BD 060 VWS	- 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 ions and the pH-value		CL10	-		
Release of Dangerous Substances to the indoor environment	Release of Dangerous Sul	ostances	NPD			
Continuous glowing combustion	Continuous glowing com	bustion	NPD	1		
Durability of reaction to fire against ageing / degradation	Durability characteristics		NPD {b}	-		
Durability of thermal resistance against ageing/degradation	Thermal Conductivity		NPD {c}	_		
	Dimensional Stability		NPD	-		
	Maximum service temperature - dimensional stability		ST(+)250			
	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		ST(+)250			
Thermal Resistance	Dimensions & Tolerances		30 - 255 / T5	_		
	Thermal conductivity (W/mk) at	10	0,035	-		
	Temperature in °C	40	0,039	-		
		50	0,041	-		
		100	0,048	-		
		150	0,058	-		
		200	0,071	-		
		250	0,088	-		
		NPD	NPD	-		
		NPD	NPD	-		
	NPD - No performanc		NI D			

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T4305LPCPR Thermo-teK BD 060 WBS



Essential Characteristics	T4305LPCPR			Harmonised Technical	
	Performance		Thermo-teK BD 060 WBS	- Standard	
Reaction to fire	Reaction to fire A1		EN 14303:2009 + A1:2013		
Acoustic Absorption Index	Sound Absorption NPD		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 ions and the pH-value		CL10		
Release of Dangerous Substances to the indoor environment	Release of Dangerous Sul	ostances	NPD		
Continuous glowing combustion	Continuous glowing com	bustion	NPD	1	
Durability of reaction to fire against ageing / degradation	Durability characteristics		NPD {b}	-	
Durability of thermal resistance against ageing/degradation	Thermal Conductivity		NPD {c}		
	Dimensional Stability		NPD	-	
	Maximum service temperature - dimensional stability		ST(+)250	-	
	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		ST(+)250	-	
Thermal Resistance	Dimensions & Tolerances		30 - 255 / T5	-	
	Thermal conductivity (W/mk) at	10	0,035	-	
	Temperature in °C	40	0,039	-	
		50	0,041	-	
		100	0,048	-	
		150	0,058	-	
		200	0,071	-	
		250	0,088	-	
		NPD	NPD	1	
		NPD	NPD	-	
	NPD - No performanc	e determined		<u> </u>	

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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 - 11-12-23

(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.

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