Declaration of Performance



R4305LPCPR

1. Unique identification code of the product-type:

BL D70, BL D80, BL D90, BL D95, BL D100, Naturboard PARTITION COMFORT, NaturBoard TIMBER, NaturBoard FORTE, NaturBoard VENTI, NaturBoard WALLS, NaturBoard TP, FKD-S Thermal, Thermo-teK BD 090, Thermo-teK BD 100, Thermo-teK BD 110, Sound-teK BD805, Sound-teK BD806, Sound-teK BD809, Sound-teK BD811, Thermo-teK FM 050, Thermo-teK FM 060, DP6 GVN, NaturBoard FORTE K, NaturBoard FORTE B, NaturBoard FORTE GVB, Naturboard PARTITION COMFORT B, NaturBoard TIMBER B, NaturBoard TIMBER ALU, NaturBoard TIMBER GVB, NaturBoard VENTI ALU, NaturBoard VENTI GVB, Thermo-tek FM 050 ALU, Thermo-tek FM 060 ALU, Sound-teK BD805 VBD, Sound-teK BD805 WBD, Sound-teK BD805 ALD, Sound-teK BD806 VBD, Sound-teK BD806 ALD, Sound-teK BD809 VBD, Sound-teK BD809 WBD, Sound-teK BD810 VBD, Sound-teK BD810 ALD, Sound-teK BD811 ALD, Thermo-teK BD 090 WBS, Thermo-teK BD 100 VBS, Thermo-teK BD 110 VBS

2. Intended use or uses:

Thermal Insulation for Buildings (ThIB)

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 AVCP System 3 for the other characteristics

6a. Harmonized Standard:

EN 13162:2012 + A1:2015

Notified body or bodies:

AVCP System 1: Forschungsinstitut für Wärmeschutz e. V. München FIW München (Notified certification body No. 0751)

AVCP System 3: Forschungsinstitut für Wärmeschutz e. V. München FIW München (Notified certification body No. 0751)

6b. European Assessment document: not applicable

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

Notified body/ies: not applicable

7. <u>Declared Performances:</u>

See next page

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Performance (f)	armonised technical
Thermal Resistance Thermal Resistance Thermal Resistance Thermal Resistance Thermal Resistance Thickness range (mm) 100 - 255 Thickness tolerance T5 Reaction to fire Durability of reaction to fire against heat, weathering, ageing / degradation Thermal Resistance Durability of thermal resistance against heat, weathering, ageing / degradation Thermal Resistance Thermal Resistance NPD (a) Thermal Resistance NPD (b) Thermal conductivity NPD Durability characteristics NPD (c) Thermal conductivity NPD Thickness NPD Thickness NPD Air flow resistivity NPD	standard
Thermal Resistance See performance chart Thickness range (mm) 100 - 255 Thickness tolerance T5 Reaction to Fire Reaction to fire A1 Durability of reaction to fire against heat, weathering, ageing / degradation Durability of thermal resistance against heat, weathering, ageing / degradation Thermal Resistance NPD(b) Thermal Resistance NPD(b) Thermal Conductivity NPD Durability characteristics NPD (c) Compressive Strength Compressive Stress / Compressive Strength Point Load NPD Tensile / Flexural strength Tensile strength perpendicular faces NPD (d) Water Permeability Short term water absorption WS Long term water absorption NPD Water vapour permeability Water vapour transmission, water vapour diffusion resistance factor Thickness NPD Compressibility NPD Air flow resistivity NPD	
Thickness range (mm) 100 - 255 Thickness tolerance T5 Reaction to Fire Reaction to RPD Reaction to RPD Reaction Reaction to RPD Reaction Reaction to RPD Reaction Reaction Reaction RPD Reaction Reaction RPD Reaction RPD Reaction Reaction RPD Reaction React	EN 13162:2012 +
Thickness tolerance T5 Reaction to Fire Reaction to Reactio	A1:2015
Reaction to Fire Reaction to fire A1 Durability of reaction to fire against heat, weathering, ageing / degradation 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 Point Load NPD Tensile / Flexural strength Tensile strength perpendicular faces NPD (d) Durability of compressive Strength against ageing / degradation Water Permeability Short term water absorption WS Long term water absorption NPD Water vapour permeability Water vapour transmission, water vapour diffusion resistance factor Impact noise transmissions index (for floors) Thickness NPD Compressibility NPD Air flow resistivity NPD	
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Thermal conductivity NPD Durability characteristics NPD {c} Compressive Strength Compressive Stress / Compressive NPD Point Load NPD Tensile / Flexural strength Tensile strength perpendicular faces NPD {d} Durability of compressive Strength against ageing / degradation Water Permeability Short term water absorption WS Long term water absorption NPD Water vapour permeability Water vapour transmission, water vapour diffusion resistance factor Impact noise transmissions index (for floors) Thickness NPD Compressibility NPD Air flow resistivity NPD	
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Long term water absorption NPD	
Water vapour permeability Water vapour transmission, water vapour diffusion resistance factor Impact noise transmissions index (for floors) Thickness NPD Compressibility NPD Air flow resistivity NPD	
Impact noise transmissions index (for floors) Thickness NPD Compressibility NPD Air flow resistivity NPD	
Thickness NPD Compressibility NPD Air flow resistivity NPD	
Thickness NPD Compressibility NPD Air flow resistivity NPD	
Air flow resistivity NPD	
Acoustic absorptions index Sound absorption NPD	
Direct airborne sound insulation index Air flow resistivity AFr25	
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	

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Essential Characteristics	R4305LP0	CPR	Harmonised technical standard
	Performance	BL D70	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λD 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	100-255	
	Thickness tolerance	T5	_
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	_
weathering, ageing / degradation			
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
near, wearnering, ageing / degradation	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	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr15	
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 deterr	mined	

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Essential Characteristics	R4305LPC	200	
	R4505LPC	PR	Harmonised technical standard
	Performance	BL D80	5.0.1.0.1.0
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	100 - 255	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	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}	
urability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	_
Acoustic absorptions index	Sound absorption	NPD	\dashv
Direct airborne sound insulation index	Air flow resistivity	AFr15	
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 detern	nined	

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		100	1
Essential Characteristics	R4305LPC	PR	Harmonised technical standard
	Performance	BL D90	
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	100 - 255	
	Thickness tolerance		_
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation	Durability Characteristics	5 (6)	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
near, wearnening, ageing / degradation	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	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	\dashv
	Air flow resistivity	NPD	_
Acoustic absorptions index	Sound absorption	NPD	\dashv
Direct airborne sound insulation index	Air flow resistivity	AFr25	
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 determ		

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Essential Characteristics	R4305LP	PCPR	Harmonised technical
	Performance	BL D95	standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	100 - 255	
	Thickness tolerance	T5	_
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
ricat, weathering, ageing / degradation	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}	
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	_
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr25	
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 deter	rmined	

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R4305LPCPR DP6 GVN



Essential Characteristics	R4305LPC	CPR	Harmonised technical standard
	Performance	DP6 GVN	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	30-255	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	_
weathering, ageing / degradation			
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
neat, weathering, ageing / degradation	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}	
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	ws	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr15	
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 deterr	nined	

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R4305LPCPR FKD-S Thermal



Essential Characteristics	R4305LF	PCPR	Harmonised technical
	Performance	FKD-S Thermal	standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	40-240	
	Thickness tolerance	T5	_
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	_
weathering, ageing / degradation	Burasinty Characteristics	M D [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	Cs(10)30	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	TR10 {d}	
Ourability of compressive Strength against ageing / degradation	Compressive creep	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	MU1	
Impact noise transmissions index (for	Dynamic stiffness	NPD	_
floors)	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 dete	rmined	

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R4305LPCPR NaturBoard FORTE



Essential Characteristics	R4305LP0	CPR	Harmonised technica standard
	Performance	NaturBoard FORTE	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λD 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	20-255	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	_
weathering, ageing / degradation			
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	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	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr25	
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 deterr	mined	

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R4305LPCPR NaturBoard FORTE B



Essential Characteristics	R4305LP0	CPR	Harmonised technical standard
	Performance	NaturBoard FORTE B	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	20-255	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	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	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr25	
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 deterr	mined	

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R4305LPCPR NaturBoard FORTE GVB



Essential Characteristics	R4305LP0	CPR	Harmonised technical standard
	Performance	NaturBoard FORTE GVB	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	20-255	
	Thickness tolerance	T5	_
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	_
weathering, ageing / degradation			
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	
	Point Load	NPD	\dashv
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	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr25	
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 deter	mined	

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R4305LPCPR NaturBoard FORTE K



Essential Characteristics	R4305LPC	CPR	Harmonised technical standard
	Performance	NaturBoard FORTE K	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	20-255	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	F	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	_
weathering, ageing / degradation			
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
neat, weathering, ageing / degradation	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}	
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	_
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr25	
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 deterr	nined	

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R4305LPCPR Naturboard PARTITION COMFORT



Essential Characteristics	R4305I	LPCPR	Harmonised technical
	Performance	Naturboard PARTITION COMFORT	standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λD 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	30-255	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
meat, meathering, ageing / aegradation	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	WS	_
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	1
	Compressibility	NPD	
	Air flow resistivity	NPD	1
Acoustic absorptions index	Sound absorption	NPD	1
Direct airborne sound insulation index	Air flow resistivity	AFr10	
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 det	ermined	

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R4305LPCPR Naturboard PARTITION COMFORT B



Essential Characteristics	R4305I	R4305LPCPR	
	Performance	Naturboard PARTITION COMFORT B	standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λD 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	30-255	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	-
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	-
weathering, ageing / degradation			
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	-
near, weathering, ageing / degradation	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}	1
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	-
Water Permeability	Short term water absorption	WS	-
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	-
Impact noise transmissions index (for	Dynamic stiffness	NPD	-
floors)	Thickness	NPD	1
	Compressibility	NPD	1
	Air flow resistivity	NPD	1
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	NPD {e}	-
Continuous glowing combustion	Continuous glowing combustion	NPD {e}	-
	NPD - No performance det	ermined	

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R4305LPCPR NaturBoard TIMBER



Essential Characteristics	R4305LPC	CPR	Harmonised technica standard
	Performance	NaturBoard TIMBER	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	30-255	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	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	WS	_
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr15	
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 deterr	mined	

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R4305LPCPR NaturBoard TIMBER ALU



Essential Characteristics	R4305LP	CPR	Harmonised technical standard
	Performance	NaturBoard TIMBER ALU	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	30-255	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	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	WS	_
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	\neg
	Air flow resistivity	NPD	_
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr15	
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 deter	mined	

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R4305LPCPR NaturBoard TIMBER B



Essential Characteristics	R4305LP0	CPR	Harmonised technical standard
	Performance	NaturBoard TIMBER B	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	30-255	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
near, weathening, ageing / degradation	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}	
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr15	
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 deterr	mined	

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R4305LPCPR NaturBoard TIMBER GVB



Essential Characteristics	R4305LP0	CPR	Harmonised technical
Essential Characteristics			standard
	Performance	NaturBoard TIMBER GVB	
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 + A1:2015
	Thermal Resistance	See performance chart	7(1.2013
	Thickness range (mm)	30-255	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	Thermal conductivity	NPD	
	<u> </u>		
	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	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	_
Direct airborne sound insulation index	Air flow resistivity	AFr15	
birect all bottle sound insulation index	All now resistivity	Allis	
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 deterr	mined	

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R4305LPCPR NaturBoard TP



Essential Characteristics	R4305LPC	CPR	Harmonised technical standard
	Performance	NaturBoard TP	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	20-25 30-45 ≥50	
	Thickness tolerance	T6	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
neat, weathering, ageing / degradation	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}	
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	NPD	
	Long term water absorption	WL(P) WL(P) WL(P)	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for floors)	Dynamic stiffness	SD27 SD22 SD20	
110015)	Thickness	NPD	
	Compressibility	CP5 CP5 CP5	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr30 AFr30 AFr30	
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 deterr	mined	

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R4305LPCPR NaturBoard VENTI



Essential Characteristics	R4305LPC	CPR	Harmonised technical standard
	Performance	NaturBoard VENTI	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λD 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	40-250	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	_
weathering, ageing / degradation			
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	Cs(10)0.5	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	TR1 {d}	
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	NPD	
	Long term water absorption	WL(P)	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	\dashv
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	NPD {e}	
Continuous glowing combustion	Continuous glowing combustion	NPD {e}	
	NPD - No performance deterr	mined	

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R4305LPCPR NaturBoard VENTI ALU



Essential Characteristics	R4305LP0	CPR	Harmonised technical standard
	Performance	NaturBoard VENTI ALU	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	40-250	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
neat, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	Cs(10)0.5	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	TR1 {d}	
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	NPD	
	Long term water absorption	WL(P)	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
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	NPD {e}	
Continuous glowing combustion	Continuous glowing combustion	NPD {e}	
	NPD - No performance deter	mined	

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R4305LPCPR NaturBoard VENTI GVB



		000	<u> </u>
Essential Characteristics	R4305LP	CPK	Harmonised technical standard
	Performance	NaturBoard VENTI GVB	
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λD 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	40-250	
	Thickness tolerance	T5	\dashv
Reaction to Fire	Reaction to fire	A1	\dashv
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	-
weathering, ageing / degradation		()	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	Cs(10)0.5	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	TR1 {d}	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	NPD	_
	Long term water absorption	WL(P)	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	_
	Air flow resistivity	NPD	\dashv
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	NPD {e}	
Continuous glowing combustion	Continuous glowing combustion	NPD {e}	
	NPD - No performance deter	mined	
	5 performance deter		

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R4305LPCPR NaturBoard WALLS



Essential Characteristics	R4305LPC	CPR	Harmonised technica standard
	Performance	NaturBoard WALLS	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	30-240	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	_
weathering, ageing / degradation			
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	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	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	-
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr30	
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 deterr	mined	

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R4305LPCPR Sound-tek BD805



Essential Characteristics	R4305LP0	CPR	Harmonised technical standard
	Performance	Sound-teK BD805	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λD 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	60-255	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	_
weathering, ageing / degradation			
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
neat, weathering, ageing / degradation	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}	
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	\dashv
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	NPD {e}	
Continuous glowing combustion	Continuous glowing combustion	NPD {e}	
	NPD - No performance deterr	mined	

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R4305LPCPR Sound-teK BD805 ALD



Essential Characteristics	R4305LPC	CPR	Harmonised technical standard
	Performance	Sound-teK BD805 ALD	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	60-255	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	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	ws	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
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	NPD {e}	
Continuous glowing combustion	Continuous glowing combustion	NPD {e}	
	NPD - No performance detern	nined	

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R4305LPCPR Sound-teK BD805 VBD



Essential Characteristics	R4305LP0	CPR	Harmonised technical standard
	Performance	Sound-teK BD805 VBD	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	60-255	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	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}	_
renone / renaration engar	Tensile strengar perpenalearar reces	2 (8)	
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
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	NPD {e}	
Continuous glowing combustion	Continuous glowing combustion	NPD {e}	
	NPD - No performance deterr	mined	

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R4305LPCPR Sound-teK BD805 WBD



Essential Characteristics	R4305LP0	CPR	Harmonised technical standard
	Performance	Sound-teK BD805 WBD	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	60-255	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	_
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	_
weathering, ageing / degradation			
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	
	Point Load	NPD	\dashv
Tensile / Flexural strength	Tensile strength perpendicular faces	NPD {d}	\dashv
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	WS	_
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	\dashv
Acoustic absorptions index	Sound absorption	NPD	\neg
Direct airborne sound insulation index	Air flow resistivity	AFr10	_
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 deterr	mined	

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R4305LPCPR Sound-tek BD806



Essential Characteristics	R4305LP0	CPR	Harmonised technical standard
	Performance	Sound-teK BD806	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	40-255	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
neat, weathering, ageing / degradation	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	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	_
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr15	
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 deterr	mined	

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R4305LPCPR Sound-teK BD806 ALD



Essential Characteristics	R4305LP0	CPR	Harmonised technical standard
	Performance	Sound-teK BD806 ALD	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	40-255	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
neat, weathering, ageing / degradation	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}	
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	_
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr15	
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 deterr	mined	

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R4305LPCPR Sound-teK BD806 VBD



Essential Characteristics	R4305LP0	CPR	Harmonised technical standard
	Performance	Sound-teK BD806 VBD	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	40-255	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	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}	_
renone / renaration engar	Tensile strengar perpenalearar reces	2 (a)	
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr15	
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 deterr	mined	

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R4305LPCPR Sound-teK BD806 WBD



Essential Characteristics	R4305LP0	CPR	Harmonised technical standard
	Performance	Sound-teK BD806 WBD	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λD 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	40-255	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	Thermal conductivity	NPD	\dashv
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive	NPD	
Compressive Strength	Strength	NFD	
	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	WS	
	Long term water absorption	NPD	\dashv
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	\dashv
Acoustic absorptions index	Sound absorption	NPD	_
Direct airborne sound insulation index	Air flow resistivity	AFr15	
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 deter	mined	

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R4305LPCPR Sound-tek BD809



Essential Characteristics	R4305LPC	PR	Harmonised technical standard
	Performance	Sound-teK BD809	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	30-255	
	Thickness tolerance	T5	
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	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	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	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr25	
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 determ	nined	

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R4305LPCPR Sound-teK BD809 ALD



Essential Characteristics	R4305LPC	CPR	Harmonised technical standard
	Performance	Sound-teK BD809 ALD	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	30-255	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	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}	
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr25	
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 deterr	mined	

R4305LPCPR 02-03-22 Version 11.1 33/54

R4305LPCPR Sound-teK BD809 VBD



Essential Characteristics	R4305LP(CPR	Harmonised technical standard
	Performance	Sound-teK BD809 VBD	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	30-255	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
neat, weathering, ageing / degradation	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	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr25	
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 deter	mined	

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R4305LPCPR Sound-teK BD809 WBD



Essential Characteristics	R4305LP0	CPR	Harmonised technical standard
	Performance	Sound-teK BD809 WBD	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	30-255	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	\dashv
weathering, ageing / degradation			
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
neat, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	
	Point Load	NPD	\dashv
Tensile / Flexural strength	Tensile strength perpendicular faces	NPD {d}	
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	_
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr25	
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 deter	mined	

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R4305LPCPR Sound-teK BD810



Essential Characteristics	R4305LP0	CPR	Harmonised technical standard
	Performance	Sound-teK BD810	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	30-250	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
neat, weathering, ageing / degradation	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}	
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	_
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr25	
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 deterr	mined	

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R4305LPCPR Sound-teK BD810 ALD



Essential Characteristics	R4305LP0	CPR	Harmonised technical standard
	Performance	Sound-teK BD810 ALD	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	30-250	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	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}	
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr25	
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 deterr	mined	

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R4305LPCPR Sound-teK BD810 VBD



Essential Characteristics	R4305LP0	CPR	Harmonised technical standard
	Performance	Sound-teK BD810 VBD	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	30-250	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	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}	
rensile / Flexural Strength	Tensile strength perpendicular faces	NPD (u)	
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr25	-
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 deterr	mined	

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R4305LPCPR Sound-teK BD810 WBD



Essential Characteristics	R4305LP0	CPR	Harmonised technical standard
	Performance	Sound-teK BD810 WBD	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λD 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	30-250	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	_
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
neat, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	
	Point Load	NPD	\dashv
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	WS	_
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	\dashv
Acoustic absorptions index	Sound absorption	NPD	_
Direct airborne sound insulation index	Air flow resistivity	AFr25	
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 deter	mined	

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R4305LPCPR Sound-teK BD811



Essential Characteristics	R4305LP0	CPR	Harmonised technical standard
	Performance	Sound-teK BD811	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λD 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	20-220	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	_
weathering, ageing / degradation			
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
neat, weathering, ageing / degradation	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}	
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr30	\dashv
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 deterr	mined	

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R4305LPCPR Sound-teK BD811 ALD



Essential Characteristics	R4305LP0	CPR	Harmonised technical standard
	Performance	Sound-teK BD811 ALD	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	20-220	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	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	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr30	\dashv
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 deterr	mined	

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R4305LPCPR Sound-teK BD811 VBD



Essential Characteristics	R4305LP0	CPR	Harmonised technical standard
	Performance	Sound-teK BD811 VBD	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λD 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	20-220	
	Thickness tolerance	T5	_
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
neat, weathering, ageing / degradation	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}	
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr30	_
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 determ	mined	

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R4305LPCPR Sound-teK BD811 WBD



Essential Characteristics	R4305LP0	CPR	Harmonised technical standard
	Performance	Sound-teK BD811 WBD	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	20-220	
	Thickness tolerance	T5	_
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	Thermal conductivity	NPD	\dashv
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	
	Point Load	NPD	\dashv
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	WS	
	Long term water absorption	NPD	\dashv
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	\neg
Direct airborne sound insulation index	Air flow resistivity	AFr30	
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 deterr	mined	

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R4305LPCPR Thermo-teK BD 090



Essential Characteristics	R4305LP0	R4305LPCPR	
	Performance	Thermo-teK BD 090	standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	20-255	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	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	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr25	
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 deterr	mined	

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R4305LPCPR Thermo-teK BD 090 WBS



Essential Characteristics	R4305LP	CPR	Harmonised technica standard
	Performance	Thermo-teK BD 090 WBS	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λD 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	20-255	
	Thickness tolerance	T5	-
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against	Thermal Resistance	NPD{b}	_
heat, weathering, ageing / degradation	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	WS	_
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr25	
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 deter	rmined	

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R4305LPCPR Thermo-teK BD 100



Essential Characteristics	R4305LP0	R4305LPCPR	
	Performance	Thermo-teK BD 100	standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λD 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	20-250	
	Thickness tolerance	T5	_
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	_
weathering, ageing / degradation			
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	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	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr25	
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 deterr	mined	

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R4305LPCPR Thermo-teK BD 100 VBS



Essential Characteristics	R4305LP	CPR	Harmonised technical standard
	Performance	Thermo-teK BD 100 VBS	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	20-250	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	_
weathering, ageing / degradation			
Durability of thermal resistance against	Thermal Resistance	NPD{b}	_
heat, weathering, ageing / degradation	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	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr25	
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 deter	mined	

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R4305LPCPR Thermo-teK BD 110



Essential Characteristics	R4305LP0	CPR	Harmonised technica standard
	Performance	Thermo-teK BD 110	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	20-220	
	Thickness tolerance	T5	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	_
weathering, ageing / degradation			
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
neat, weathering, ageing / degradation	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}	
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	WS	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr30	
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 deterr	mined	

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R4305LPCPR Thermo-teK BD 110 VBS



Essential Characteristics	R4305LP	Harmonised technical standard				
	Performance	Thermo-teK BD 110 VBS	Standard			
	{f}					
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +			
	Thermal Resistance	See performance chart	A1:2015			
	Thickness range (mm)	20-220				
	Thickness tolerance	T5				
Reaction to Fire	Reaction to fire	A1				
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}				
weathering, ageing / degradation						
Durability of thermal resistance against	Thermal Resistance					
heat, weathering, ageing / degradation	Thermal conductivity	NPD				
	Durability characteristics	NPD {c}				
Compressive Strength	Compressive Stress / Compressive Strength					
	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	WS				
	Long term water absorption	NPD				
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD				
Impact noise transmissions index (for	Dynamic stiffness	NPD				
floors)	Thickness	NPD				
	Compressibility	NPD				
	Air flow resistivity	NPD				
Acoustic absorptions index	Sound absorption	NPD	\neg			
Direct airborne sound insulation index	Air flow resistivity	AFr30				
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 deter	mined				

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R4305LPCPR Thermo-teK FM 050



Essential Characteristics	R4305LPC	Harmonised technical standard				
	Performance	Thermo-teK FM 050	Standard			
	{f}					
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +			
	Thermal Resistance	See performance chart	A1:2015			
	Thickness range (mm)	40-120				
	Thickness tolerance	T2				
Reaction to Fire	Reaction to fire	A1				
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	_			
weathering, ageing / degradation						
Durability of thermal resistance against	Thermal Resistance	NPD{b}				
heat, weathering, ageing / degradation	Thermal conductivity	NPD				
	Durability characteristics	NPD {c}				
Compressive Strength	Compressive Stress / Compressive Strength					
	Point Load	NPD				
Tensile / Flexural strength	Tensile strength perpendicular faces	NPD {d}				
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD				
Water Permeability	Short term water absorption	WS				
	Long term water absorption	NPD				
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD				
Impact noise transmissions index (for	Dynamic stiffness	NPD				
floors)	Thickness	NPD				
	Compressibility	NPD				
	Air flow resistivity	NPD				
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	NPD {e}				
Continuous glowing combustion	Continuous glowing combustion	NPD {e}				
	NPD - No performance deterr	mined				

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R4305LPCPR Thermo-tek FM 050 ALU



Essential Characteristics	R4305LP0	Harmonised technical standard				
	Performance	Thermo-tek FM 050 ALU	Standard			
	{f}					
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +			
	Thermal Resistance	See performance chart	A1:2015			
	Thickness range (mm)	40-120				
	Thickness tolerance	T2				
Reaction to Fire	Reaction to fire					
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}				
weathering, ageing / degradation						
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	_			
neat, weathering, ageing / degradation	Thermal conductivity	NPD				
	Durability characteristics	NPD {c}				
Compressive Strength	Compressive Stress / Compressive Strength					
	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	WS	_			
	Long term water absorption	NPD				
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD				
Impact noise transmissions index (for	Dynamic stiffness	NPD				
floors)	Thickness	NPD				
	Compressibility	NPD				
	Air flow resistivity	NPD				
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	NPD {e}				
Continuous glowing combustion	Continuous glowing combustion	NPD {e}				
	NPD - No performance deter	mined				

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R4305LPCPR Thermo-teK FM 060



Essential Characteristics	R4305LPC	Harmonised technical standard				
	Performance	Thermo-teK FM 060	Standard			
	{f}					
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 + A1:2015			
	Thermal Resistance	See performance chart	A1:2015			
	Thickness range (mm)					
	Thickness tolerance	T2				
Reaction to Fire	Reaction to fire	A1				
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}				
weathering, ageing / degradation						
Durability of thermal resistance against	Thermal Resistance	NPD{b}				
heat, weathering, ageing / degradation	Thermal conductivity	NPD				
	Durability characteristics					
Compressive Strength	Compressive Stress / Compressive Strength					
	Point Load	NPD				
Tensile / Flexural strength	Tensile strength perpendicular faces	NPD {d}				
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD				
Water Permeability	Short term water absorption	WS				
	Long term water absorption	NPD				
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD				
Impact noise transmissions index (for	Dynamic stiffness	NPD				
floors)	Thickness	NPD				
	Compressibility	NPD				
	Air flow resistivity	NPD				
Acoustic absorptions index	Sound absorption	NPD				
Direct airborne sound insulation index	Air flow resistivity	AFr15				
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 deterr	mined				

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R4305LPCPR Thermo-tek FM 060 ALU



Essential Characteristics	R4305LP0	Harmonised technical standard				
	Performance	Thermo-tek FM 060 ALU	Standard			
	{f}					
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +			
	Thermal Resistance	See performance chart	A1:2015			
	Thickness range (mm)	40-120				
	Thickness tolerance	T2				
Reaction to Fire	Reaction to fire					
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}				
weathering, ageing / degradation						
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	_			
neat, weathering, ageing / degradation	Thermal conductivity	NPD				
	Durability characteristics	NPD {c}				
Compressive Strength	Compressive Stress / Compressive Strength					
	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	WS	_			
	Long term water absorption	NPD				
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD				
Impact noise transmissions index (for	Dynamic stiffness	NPD				
floors)	Thickness	NPD				
	Compressibility	NPD				
	Air flow resistivity	NPD				
Acoustic absorptions index	Sound absorption	NPD				
Direct airborne sound insulation index	Air flow resistivity	AFr15				
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 deter	mined				

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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.

Thermal Res	sistance T	able												
[mm]	20	25	30	35	40	45	50	55	60	65	70	75	80	85
[m²K/W]	0,55	0,70	0,85	1,00	1,10	1,25	1,40	1,55	1,70	1,85	2,00	2,10	2,25	2,40
[mm]	90	95	100	105	110	115	120	125	130	135	140	145	150	155
[m²K/W]	2,55	2,70	2,85	3,00	3,10	3,25	3,40	3,55	3,70	3,85	4,00	4,10	4,25	4,40
[mm]	160	165	170	175	180	185	190	195	200	205	210	215	220	225
[m²K/W]	4,55	4,70	4,85	5,00	5,10	5,25	5,40	5,55	5,70	5,85	6,00	6,10	6,25	6,40
[mm] [m²K/W]	230 6,55	235 6.70	240 6.85	245 7.00	250 7.10	255 7.25								

Stjepan Mršić - Plant manager (Name and function)

Novi Marof - 02-03-22 (Place and date of issue)

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[{]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