Declaration of Performance



R4305LRCPR

1. Unique identification code of the product-type:

Thermo-tek BD 090, Thermo-tek BD 100, Thermo-tek BD 110, Thermo-tek FM 050, Thermo-tek FM 060, Thermo-tek BD 090 ALU, Thermo-tek FM 050 ALU, Thermo-tek FM 060 ALU, Sound-tek BD 805 VBD, Sound-tek BD 805 WBD, Sound-tek BD 805 WBD, Sound-tek BD 806 WBD, Sound-tek BD 806 WBD, Sound-tek BD 806 ALD, Sound-tek BD 809 WBD, Sound-tek BD 809 ALD, Sound-tek BD 810 VBD, Sound-tek BD 810 WBD, Sound-tek BD 810 WBD, Sound-tek BD 811 VBD, Sound-tek BD 811 WBD, Sound-tek BD 811 WBD, Sound-tek BD 811 ALD, Thermo-tek BD 090 WBS, Thermo-tek BD 100 VBS, Thermo-tek BD 110 VBS, Thermo-tek BD 090 VBS, Thermo-tek BD 100 ALU, Thermo-tek BD 100 VWS, Thermo-tek BD 100 WBS, Thermo-tek BD 110 WBS, Sound-tek BD 805 VWD, Sound-tek BD 806 VWD, Sound-tek BD 807 ALD, Sound-tek BD 807 VBD, Sound-tek BD 808 VBD, Sound-tek BD 808 VWD, Sound-tek BD 809 VWD, Sound-tek BD 811 VWD

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 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. Harmonized Standard:

EN 13162:2012 + A1:2015

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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R4305LRCPR Sound-teK BD 805 ALD



Essential Characteristics	R4305LR0	CPR	Harmonised technical standard
	Performance	Sound-teK BD 805 ALD	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}	
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	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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R4305LRCPR Sound-teK BD 805 VBD



Thermal Resistance Reaction to Fire Durability of reaction to fire against heat, weathering, ageing / degradation	Performance {f} Thermal conductivity (W/mK) Thermal Resistance Thickness range (mm) Thickness tolerance Reaction to fire Durability Characteristics	Sound-teK BD 805 VBD \[\lambda D \ 0.035 \] See performance chart \[60-255 \] \[T5 \] \[A1 \] \[NPD \{a\} \]	EN 13162:2012 + A1:2015
Reaction to Fire Durability of reaction to fire against heat,	Thermal conductivity (W/mK) Thermal Resistance Thickness range (mm) Thickness tolerance Reaction to fire	λο 0.035 See performance chart 60-255 T5 A1	EN 13162:2012 +
Reaction to Fire Durability of reaction to fire against heat,	Thermal conductivity (W/mK) Thermal Resistance Thickness range (mm) Thickness tolerance Reaction to fire	See performance chart 60-255 T5 A1	
Reaction to Fire Durability of reaction to fire against heat,	Thermal Resistance Thickness range (mm) Thickness tolerance Reaction to fire	See performance chart 60-255 T5 A1	
Durability of reaction to fire against heat,	Thickness range (mm) Thickness tolerance Reaction to fire	60-255 T5 A1	A1:2015
Durability of reaction to fire against heat,	Thickness tolerance Reaction to fire	T5 A1	
Durability of reaction to fire against heat,	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}	
ileat, 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 W	Vater 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	\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 determ	nined	

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R4305LRCPR Sound-teK BD 805 VWD



Essential Characteristics	R4305LR(CPR	Harmonised technical standard
	Performance	Sound-teK BD 805 VWD	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}	
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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R4305LRCPR Sound-teK BD 805 WBD



Essential Characteristics	R4305LR(CPR	Harmonised technical standard
	Performance	Sound-teK BD 805 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)	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	\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	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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R4305LRCPR Sound-teK BD 806 ALD



Essential Characteristics	R4305LR0	CPR	Harmonised technical standard
	Performance	Sound-teK BD 806 ALD	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 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 deteri	mined	

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R4305LRCPR Sound-teK BD 806 VBD



Essential Characteristics	R4305LR0	CPR	Harmonised technical standard
	Performance	Sound-teK BD 806 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)	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 deteri	mined	

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R4305LRCPR Sound-teK BD 806 VWD



Essential Characteristics	R4305LR	CPR	Harmonised technical standard
	Performance	Sound-teK BD 806 VWD	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	\dashv
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	\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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R4305LRCPR Sound-teK BD 806 WBD



Essential Characteristics	R4305LR	CPR	Harmonised technical standard
	Performance	Sound-teK BD 806 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 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	\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	\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 deter	mined	

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R4305LRCPR Sound-teK BD 807 ALD



Essential Characteristics	R4305LF	R4305LRCPR	
	Performance	Sound-teK BD 807 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	, , , , , , , , , , , , , , , , , , , ,	V	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
meat, 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	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 dete	rmined	

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R4305LRCPR Sound-teK BD 807 VBD



Reaction to Fire Durability of reaction to fire against heat, weathering, ageing / degradation	Performance {f} Thermal conductivity (W/mK) Thermal Resistance Thickness range (mm) Thickness tolerance Reaction to fire Durability Characteristics	Sound-teK BD 807 VBD λo 0.035 See performance chart 30-255 T5 A1 NPD {a}	EN 13162:2012 + A1:2015
Reaction to Fire Durability of reaction to fire against heat, weathering, ageing / degradation	Thermal conductivity (W/mK) Thermal Resistance Thickness range (mm) Thickness tolerance Reaction to fire	λο 0.035 See performance chart 30-255 T5 A1	EN 13162:2012 +
Reaction to Fire Durability of reaction to fire against heat, weathering, ageing / degradation	Thermal conductivity (W/mK) Thermal Resistance Thickness range (mm) Thickness tolerance Reaction to fire	See performance chart 30-255 T5 A1	
Reaction to Fire Durability of reaction to fire against heat, weathering, ageing / degradation	Thermal Resistance Thickness range (mm) Thickness tolerance Reaction to fire	See performance chart 30-255 T5 A1	
Durability of reaction to fire against heat, weathering, ageing / degradation	Thickness range (mm) Thickness tolerance Reaction to fire	30-255 T5 A1	A1:2015
Durability of reaction to fire against heat, weathering, ageing / degradation	Thickness tolerance Reaction to fire	T5 A1	_
Durability of reaction to fire against heat, weathering, ageing / degradation	Reaction to fire	A1	_
Durability of reaction to fire against heat, weathering, ageing / degradation			1
weathering, ageing / degradation	Durability Characteristics	NPD {a}	_
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	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 W	Vater vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	_
floors)	Thickness	NPD	\dashv
-	Compressibility	NPD	\dashv
-	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 detern	mined	

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R4305LRCPR Sound-teK BD 807 VWD



Essential Characteristics	R4305LR	CPR	Harmonised technical standard
	Performance	Sound-teK BD 807 VWD	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	\dashv
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 deter	mined	

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R4305LRCPR Sound-teK BD 807 WBD



Essential Characteristics	R4305LR(CPR	Harmonised technical standard
	Performance	Sound-teK BD 807 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)	30-255	
	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 deter	mined	

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R4305LRCPR Sound-teK BD 808 ALD



Essential Characteristics	R4305LR0	CPR	Harmonised technical standard
	Performance	Sound-teK BD 808 ALD	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}	
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 deter	mined	

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R4305LRCPR Sound-teK BD 808 VBD



Essential Characteristics	R4305LR0	CPR	Harmonised technica standard
	Performance	Sound-teK BD 808 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)	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}	
renoise, rienara en engar	Tensile strength perpendicular reces	2 (8)	
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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R4305LRCPR Sound-teK BD 808 VWD



Essential Characteristics	R4305LR	CPR	Harmonised technical standard
	Performance	Sound-teK BD 808 VWD	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	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	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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R4305LRCPR Sound-teK BD 809 ALD



Essential Characteristics	R4305LR0	CPR	Harmonised technical standard
	Performance	Sound-teK BD 809 ALD	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, 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	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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R4305LRCPR Sound-teK BD 809 VBD



Essential Characteristics	R4305LR(CPR	Harmonised technical standard
	Performance	Sound-teK BD 809 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)	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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R4305LRCPR Sound-teK BD 809 VWD



Facantial Characteristics	D.40051.04	CDD	Hamman Condition 1
Essential Characteristics	R4305LR0		Harmonised technical standard
	Performance	Sound-teK BD 809 VWD	
	{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	\dashv
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	\dashv
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	\neg
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	\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 deterr	mined	

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R4305LRCPR Sound-teK BD 809 WBD



Essential Characteristics	R4305LR	CPR	Harmonised technical standard
	Performance	Sound-teK BD 809 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)	30-255	
	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	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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R4305LRCPR Sound-teK BD 810 ALD



Essential Characteristics	R4305LR0	CPR	Harmonised technical standard
	Performance	Sound-teK BD 810 ALD	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	
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 deteri	mined	

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R4305LRCPR Sound-teK BD 810 VBD



Essential Characteristics	R4305LR(CPR	Harmonised technical standard
	Performance	Sound-teK BD 810 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)	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 deter	mined	

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R4305LRCPR Sound-teK BD 810 VWD



Essential Characteristics	R4305LR	CPR	Harmonised technical standard
	Performance	Sound-teK BD 810 VWD	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}	_
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}	
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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R4305LRCPR Sound-teK BD 810 WBD



Essential Characteristics	R4305LR	CPR	Harmonised technical standard
	Performance	Sound-teK BD 810 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}	_
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}	_
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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R4305LRCPR Sound-teK BD 811 ALD



Essential Characteristics	R4305LR0	CPR	Harmonised technical standard
	Performance	Sound-teK BD 811 ALD	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 deter	mined	

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R4305LRCPR Sound-teK BD 811 VBD



Essential Characteristics	R4305LR0	CPR	Harmonised technical standard
	Performance	Sound-teK BD 811 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	\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	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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R4305LRCPR Sound-teK BD 811 VWD



Essential Characteristics	R4305LR(CPR	Harmonised technical standard
	Performance	Sound-teK BD 811 VWD	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}	
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 deter	mined	

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R4305LRCPR Sound-teK BD 811 WBD



Essential Characteristics	R4305LR(CPR	Harmonised technical standard
	Performance	Sound-teK BD 811 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)	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}	
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 deter	mined	

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R4305LRCPR Thermo-teK BD 090



	I		
Essential Characteristics	R4305LRC	CPR	Harmonised technical standard
	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	Burdsmit, endrecensies	5 (6)	
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	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 detern		

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R4305LRCPR Thermo-teK BD 090 ALU



Essential Characteristics	R4305LF	RCPR	Harmonised technical
	Performance	Thermo-teK BD 090 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)	20-255	
	Thickness tolerance		
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation	Barasinity characteristics	W 2 (c)	
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 dete	rmined	

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R4305LRCPR Thermo-teK BD 090 VBS



Essential Characteristics	R4305LR	CPR	Harmonised technical standard
	Performance	Thermo-teK BD 090 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)	20-255	
	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	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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R4305LRCPR Thermo-teK BD 090 VWS



Essential Characteristics	R4305LR	CPR	Harmonised technica standard
	Performance	Thermo-teK BD 090 VWS	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	\dashv
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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R4305LRCPR Thermo-teK BD 090 WBS



Essential Characteristics	R4305LR	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 heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	_
neut, 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	mined	

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R4305LRCPR Thermo-teK BD 100



Essential Characteristics	R4305LR0	CPR	Harmonised technical standard
	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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R4305LRCPR Thermo-teK BD 100 ALU



Essential Characteristics	R4305LR	CPR	Harmonised technical standard
	Performance	Thermo-teK BD 100 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)	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 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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R4305LRCPR Thermo-teK BD 100 VBS



Essential Characteristics	R4305LR	CPR	Harmonised technical standard
	Performance	Thermo-teK BD 100 VBS	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 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 deter	mined	

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R4305LRCPR Thermo-teK BD 100 VWS



Essential Characteristics	R4305LR	CPR	Harmonised technica standard				
	Performance	Thermo-teK BD 100 VWS	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,	Thermal conductivity (W/mK) Thermal Resistance See performance chart Thickness range (mm) Thickness tolerance T5 Reaction to fire A1 Durability Characteristics Thermal Resistance Thermal Resistance NPD {a} Thermal conductivity NPD Durability characteristics NPD {c} Compressive Stress / Compressive Strength Point Load NPD Tensile strength perpendicular faces NPD {d} Compressive creep NPD Short term water absorption Vater vapour transmission, water vapour diffusion resistance factor NPD Thickness NPD Compressibility NPD Air flow resistivity NPD Air flow resistivity NPD Air flow resistivity NPD						
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		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					
TIOOTS)	Thickness	NPD					
	Compressibility	NPD					
	Air flow resistivity	NPD					
Acoustic absorptions index	floors) Thickness NPD Compressibility NPD Air flow resistivity 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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R4305LRCPR Thermo-teK BD 100 WBS



Essential Characteristics	R4305LR	CPR	Harmonised technical standard				
	Performance	Thermo-teK BD 100 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)	20-250					
	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					
HOUISJ	Thickness	NPD					
	Compressibility	NPD					
	Air flow resistivity	NPD					
Acoustic absorptions index	Thickness NPD Compressibility NPD Air flow resistivity NPD coustic 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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R4305LRCPR Thermo-teK BD 110



Essential Characteristics	R4305LR0	CPR	Harmonised technical 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	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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R4305LRCPR Thermo-teK BD 110 ALU



Essential Characteristics	R4305LR	CPR	Harmonised technical standard				
	Performance	Thermo-teK BD 110 ALU	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}					
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					
TIOOTS)	Thickness	NPD					
	Compressibility	NPD					
	Air flow resistivity	NPD					
Acoustic absorptions index	floors) Thickness NP Compressibility NP Air flow resistivity NP Acoustic absorptions index Sound absorption NP						
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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R4305LRCPR Thermo-teK BD 110 VBS



Essential Characteristics	R4305LR	CPR	Harmonised technical standard				
	Performance	Thermo-teK BD 110 VBS	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}					
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	floors) Thickness NPD Compressibility NPD Air flow resistivity 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 deter	mined					

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R4305LRCPR Thermo-teK BD 110 VWS



Essential Characteristics	R4305LR	CPR	Harmonised technical
Essential Characteristics			standard
	Performance	Thermo-teK BD 110 VWS	
	{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)	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}	_
	Barasinty characteristics	M D (c)	
		1122	_
Compressive Strength	Compressive Stress / Compressive Strength	NPD	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	NPD {d}	
Durability of compressive Strength against	Compressive creep	NPD	
ageing / degradation			
Water Permeability	Short term water absorption	WS	_
	Long term water absorption	NPD	_
Water vapour permeability	Water vapour transmission, water vapour	NPD	\dashv
The specific section of	diffusion resistance factor		
Impact poice transmissions index /for	Dynamic stiffness	NPD	_
Impact noise transmissions index (for floors)	Dynamic stiffness 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}	
	NDD - No performance deter	rmined	
	NPD - No performance deter	rmined	

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R4305LRCPR Thermo-teK BD 110 WBS



Essential Characteristics	R4305LR	CPR	Harmonised technical standard			
	Performance	Thermo-teK BD 110 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)	20-220				
	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				
HOUIS)	Thickness	NPD				
	Compressibility	NPD				
	Air flow resistivity	NPD				
Acoustic absorptions index	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 deter	mined				

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R4305LRCPR Thermo-teK FM 050



Essential Characteristics	R4305LF	RCPR	Harmonised technical
	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		(e)	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
,	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	NPD {d}	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	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	Point Load NPD ral strength Tensile strength perpendicular faces NPD {d} ive Strength against gradation Compressive creep NPD Long term water absorption WS Long term water absorption NPD Dermeability Water vapour transmission, water vapour diffusion resistance factor Thickness NPD Compressibility NPD Air flow resistivity NPD ptions 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	rmined	

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R4305LRCPR Thermo-teK FM 050 ALU



Essential Characteristics	R4305LR	CPR	Harmonised technical standard				
	Performance	Thermo-teK FM 050 ALU	Standard				
	{f}						
Thermal Resistance	Thermal conductivity (W/mK)	λD 0.035	EN 13162:2012 +				
	Thermal Resistance	See performance chart	A1:2015				
	Thickness range (mm)	40-120					
	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 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					
TIOORS)	Thickness	NPD					
	Compressibility	NPD					
	Air flow resistivity	NPD					
Acoustic absorptions index	floors) Thickness NPD Compressibility NPD Air flow resistivity 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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R4305LRCPR Thermo-teK FM 060



Essential Characteristics	R4305LR0	CPR	Harmonised technical standard
	Performance	Thermo-teK FM 060	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λD 0.035	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	40-120	
	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	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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R4305LRCPR Thermo-teK FM 060 ALU



Essential Characteristics	R4305LR	CPR	Harmonised technical standard				
	Performance	Thermo-teK FM 060 ALU	Standard				
	{f}						
Thermal Resistance	Thermal conductivity (W/mK)	λp 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 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					
HOUISJ	Thickness	NPD					
	Compressibility	NPD					
	Air flow resistivity	NPD					
Acoustic absorptions index	floors) Thickness NPD Compressibility NPD Air flow resistivity 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	istance T	able												
[mm] [m²K/W]	20 0.55	25 0.70	30 0.85	35 1.00	40 1.10	45 1.25	50 1.40	55 1.55	60 1.70	65 1.85	70 2.00	75 2.10	80 2.25	85 2.40
[mm] [m²K/W]	90 2.55	95 2.70	100 2.85	105 3.00	110 3.10	115 3.25	120 3.40	125 3.55	130 3.70	135 3.85	140 4.00	145 4.10	150 4.25	155 4.40
[mm] [m²K/W]	160 4.55	165 4.70	170 4.85	175 5.00	180 5.10	185 5.25	190 5.40	195 5.55	200 5.70	205 5.85	210 6.00	215 6.10	220 6.25	225 6.40
[mm]	230	235	240	245	250	255								
[m ² K/W]	6.55	6.70	6.85	7.00	7.10	7.25								

Signed for an on behalf of the manufacturer by:

Stjepan Mršić - Plant manager (Name and function)

Novi Marof - 1/8/2024 (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