Declaration of Performance



G4248JPCPR

1. Unique identification code of the product-type:

Earthwool 037, Earthwool KD 037, Earthwool 2xKD 037, Naturoll 037, Naturoll KD 037, Naturboard 037, Classic 037, Classic KD 037, Loftroll 037, Loftroll KD 037, Knauf Insulation 037, Knauf Insulation KD 037, KI ULTRACOUSTIC, Earthwool Alu 037, Classic Alu 037, Naturoll Alu 037, Loftroll Alu 037, Knauf Insulation Alu 037, KI KlimaRoll F 037, TP 116, TI 416, TP 115, Akustik Board 037, Ultracoustic P, MPN PLUS 037, UNIFIT 037

2. Intended use or uses:

Thermal Insulation for Buildings (ThIB)

3. <u>Manufacturer:</u>

Knauf Insulation
75. Yıl Mah. 1. Cadde 1/G Kucuk Organize Sanayi
26250 Eskisehir, Turkey
www.knaufinsulation.com - dop@knaufinsulation.com

4. Authorised representative:

Not applicable

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

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

6a. Harmonized Standard:

EN 13162:2012 + A1:2015

Notified body or bodies:

AVCP System 1: (Notified certification body) 1020 - TECHNICKY A ZKUSEBNI USTAV STAVEBNI PRAHA s.p. ---

AVCP System 3: (Notified testing laboratory) 2164 - TEBAR Test Belgelendirme Arastirma ve Gelistirme Tic. A.S. --- ---

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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G4248JPCPR Akustik Board 037



Essential Characteristics	G4248JPC	CPR	Harmonised technical standard
	Performance	Akustik Board 037	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50-260	
	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	NPD	_
compressive strength	Strength	III D	
	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	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	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 detern	nined	

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G4248JPCPR Classic 037



Essential Characteristics	G4248JF	PCPR	Harmonised technical standard
	Performance	Classic 037	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50-260	
	Thickness tolerance	T2	
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	NPD	
	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	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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G4248JPCPR Classic Alu 037



Essential Characteristics	G4248JPC	PR	Harmonised technical standard
	Performance	Classic Alu 037	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50-260	
	Thickness tolerance	T2	
Reaction to Fire	Reaction to fire	C-s1,d0	
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	NPD	
	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	NPD	
	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	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 determ	nined	

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G4248JPCPR Classic KD 037



Essential Characteristics	G4248JPC	CPR	Harmonised technical standard
	Performance	Classic KD 037	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50-260	
	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	NPD	
	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	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 detern	nined	

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G4248JPCPR Earthwool 037



Essential Characteristics	G4248JPC	G4248JPCPR	
	Performance	Earthwool 037	standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50-260	
	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	NPD	
	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	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 deterr	nined	

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G4248JPCPR Earthwool 2xKD 037



Essential Characteristics	G4248JP0	CPR	Harmonised technical standard
	Performance	Earthwool 2xKD 037	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50-260	
	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}	_
near, weathening, ageing / uegrauation	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	NPD	
	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	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 deterr	mined	

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G4248JPCPR Earthwool Alu 037



Essential Characteristics	G4248JPC	CPR	Harmonised technical standard
	Performance	Earthwool Alu 037	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50-260	
	Thickness tolerance	T2	
Reaction to Fire	Reaction to fire	C-s1,d0	
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}	
		NOD	
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	NPD	
	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	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 detern	nined	

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G4248JPCPR Earthwool KD 037



Essential Characteristics	G4248JPC	CPR	Harmonised technical standard
	Performance	Earthwool KD 037	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50-260	
	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	NPD	
compressive strength	Strength	111.5	
	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	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	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 deterr	nined	

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G4248JPCPR KI KlimaRoll F 037



Essential Characteristics	G4248JPC	CPR	Harmonised technical standard
	Performance	KI KlimaRoll F 037	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50-260	
	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	NPD	_
compressive strength	Strength	III D	
	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	NPD	
	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	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 detern	nined	

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G4248JPCPR KI ULTRACOUSTIC



Essential Characteristics	G4248JPC	CPR	Harmonised technical standard
	Performance	KI ULTRACOUSTIC	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50-260	
	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	NPD	
	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	AFr5	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr5	
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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G4248JPCPR Knauf Insulation 037



Essential Characteristics	G4248JPC	CPR	Harmonised technical standard
	Performance	Knauf Insulation 037	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50-260	
	Thickness tolerance	T2	
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}	
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	NPD	_
	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	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 detern	mined	

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G4248JPCPR Knauf Insulation Alu 037



Essential Characteristics	G4248JP0	CPR	Harmonised technical standard
	Performance	Knauf Insulation Alu 037	Stalldard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50-260	
	Thickness tolerance	T2	
Reaction to Fire	Reaction to fire	C-s1,d0	
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	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	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 deterr	mined	

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G4248JPCPR Knauf Insulation KD 037



Essential Characteristics	G4248JP0	G4248JPCPR	
	Performance	Knauf Insulation KD 037	standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50-260	
	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	NPD	_
	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	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 deter	mined	

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G4248JPCPR Loftroll 037



Essential Characteristics	G4248JPC	CPR	Harmonised technical standard
	Performance	Loftroll 037	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50-260	
	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}	
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	NPD	
	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	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 detern	nined	

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G4248JPCPR Loftroll Alu 037



Essential Characteristics	G4248JPCPR		Harmonised technical standard
	Performance	Loftroll Alu 037	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50-260	
	Thickness tolerance	T2	
Reaction to Fire	Reaction to fire	C-s1,d0	
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	NPD	
	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	NPD	
	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	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 determ	nined	

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G4248JPCPR Loftroll KD 037



Essential Characteristics	G4248JPC	CPR	Harmonised technical standard
	Performance	Loftroll KD 037	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50-260	
	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	NPD	
	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	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 detern	nined	

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G4248JPCPR MPN PLUS 037



Essential Characteristics	G4248JPC	PR	Harmonised technical standard
	Performance	MPN PLUS 037	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50-260	
	Thickness tolerance	T2	
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	NPD	
	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	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 determ	nined	

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G4248JPCPR Naturboard 037



Essential Characteristics	G4248JPCPR		Harmonised technical standard
	Performance	Naturboard 037	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50-260	
	Thickness tolerance	T4	
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	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	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 determ	nined	

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G4248JPCPR Naturoll 037



Essential Characteristics	G4248JPCF	PR	Harmonised technical standard
	Performance	Naturoll 037	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50-260	
	Thickness tolerance	T2	
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	NPD	
	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	NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}	
Continuous glowing combustion	Continuous glowing combustion	NPD {e}	

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G4248JPCPR Naturoll Alu 037



Essential Characteristics	G4248JF	PCPR	Harmonised technical
	Performance	Naturoll Alu 037	standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50-260	_
	Thickness tolerance	T2	_
Reaction to Fire	Reaction to fire	C-s1,d0	_
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	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	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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G4248JPCPR Naturoll KD 037



Essential Characteristics	G4248JPCPR		Harmonised technical standard
	Performance	Naturoll KD 037	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50-260	
	Thickness tolerance	T2	
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	NPD	
	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	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 determi	ned	

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G4248JPCPR TI 416



Essential Characteristics	G4248JP0	CPR	Harmonised technical standard
	Performance	TI 416	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50-260	
	Thickness tolerance	T4	
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	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	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 deterr	mined	

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G4248JPCPR TP 115



Essential Characteristics	G4248JP0	CPR	Harmonised technical standard
	Performance	TP 115	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50-260	
	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}	
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	NPD	
	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	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 deterr	mined	

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G4248JPCPR TP 116



Essential Characteristics	G4248JPCPR		Harmonised technical standard
	Performance	TP 116	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50-260	
	Thickness tolerance	T4	
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	WL(P)	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for floors)	Dynamic stiffness	NPD	_
Hours	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	AFr5	
Acoustic absorptions index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr5	
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	ined	

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G4248JPCPR Ultracoustic P



Essential Characteristics	G4248JPC	Harmonised technical standard				
	Performance	Standard				
	{f}					
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +			
	Thermal Resistance	See product label	A1:2015			
	Thickness range (mm)	50-260				
	Thickness tolerance	T4				
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	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	NPD				
	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					
	Air flow resistivity	AFr5				
Acoustic absorptions index	Sound absorption	NPD				
Direct airborne sound insulation index	Air flow resistivity	AFr5				
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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G4248JPCPR UNIFIT 037



	I				
Essential Characteristics	G4248JP0	Harmonised technical standard			
	Performance	UNIFIT 037	3		
	{f}				
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +		
	Thermal Resistance	See product label	A1:2015		
	Thickness range (mm)	25 - 260			
	Thickness tolerance	T2			
Reaction to Fire	Reaction to fire	A1			
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}			
weathering, ageing / degradation	parasint, sinatateristas	2 (8)			
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}			
rieat, 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	NPD			
	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	AFr5	-		
Acoustic absorptions index	Sound absorption	NPD			
Direct airborne sound insulation index	Air flow resistivity	AFr5			
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				

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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]	25	30	35	40	45	50	55	60	65	70	75	80	85	90
[m²K/W]	0,65	0,80	0,90	1,05	1,20	1,35	1,45	1,60	1,75	1,85	2,00	2,15	2,25	2,40
[mm]	95	100	105	110	115	120	125	130	135	140	145	150	155	160
[m²K/W]	2,55	2,70	2,80	2,95	3,10	3,20	3,35	3,50	3,60	3,75	3,90	4,05	4,15	4,30
[mm]	165	170	175	180	185	190	195	200	205	210	215	220	225	230
[m²K/W]	4,45	4,55	4,70	4,85	5,00	5,10	5,25	5,40	5,50	5,65	5,80	5,90	6,05	6,20
[mm] [m²K/W]	235 6.35	240 6.45	245 6.60	250 6.75	255 6.85	260 7.00								

Signed for an on behalf of the manufacturer by:

Erkan Uçok - Plant manager (Name and function)

Eskisehir - 23-06-20 (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