# **Declaration of Performance**



#### G4248GPCPR

#### 1. Unique identification code of the product-type:

Earthwool 040, Earthwool P 040, Earthwool KD 040, EarthwoolPlus 2xKD 040, Naturoll 040, Naturoll KD 040, Classic 040, Classic KD 040, Loftroll 040, Loftroll KD 040, Knauf Insulation 040, Knauf Insulation KD 040, Classic N 040, KI KlimaRoll F 040, KI Fit 040, NatuRoll Plus, Earthwool Alu 040, Earthwool P Alu 040, Classic Alu 040, Naturoll Alu 040, Loftroll Alu 040, Knauf Insulation Alu 040, Earthwool E 40 Alu, CLASICN 040 ALU, TI 312RA, Earthwoll 040 2KD, TI 140, Akustik Roll

#### 2. <u>Intended use or uses:</u>

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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# G4248GPCPR Akustik Roll



Essential Characteristics	G4248GPC	CPR	Harmonised technical standard
	Performance	Akustik Roll	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,040	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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#### G4248GPCPR CLASICN 040 ALU



Essential Characteristics	G4248G	PCPR	Harmonised technical
	Performance	CLASICN 040 ALU	standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,040	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
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}	
Weathering, ageing / aegradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	NPD {d}	
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	$\dashv$
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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#### G4248GPCPR Classic 040



Essential Characteristics	G4248GP0	CPR	Harmonised technical standard
	Performance	Classic 040	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λD 0,040	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
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}	
,	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	$\dashv$
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}	
Continuous glowing combustion	Continuous glowing combustion	NPD {e}	
	NPD - No performance deterr		

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# G4248GPCPR Classic Alu 040



Essential Characteristics	G4248GP0	CPR	Harmonised technical standard
	Performance	Classic Alu 040	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,040	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
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 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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# G4248GPCPR Classic KD 040



Essential Characteristics	G4248GPCF	PR	Harmonised technical standard
	Performance	Classic KD 040	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,040	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
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}	
	T I		

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#### G4248GPCPR Classic N 040



Essential Characteristics	G4248G	PCPR	Harmonised technical
	Performance	Classic N 040	standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,040	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50 - 260	$\dashv$
	Thickness tolerance	T1	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	$\dashv$
weathering, ageing / degradation			
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	_
neat, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	
	Point Load	NPD	
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	$\neg$
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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# G4248GPCPR Earthwoll 040 2KD



Essential Characteristics	G4248G	PCPR	Harmonised technical
	Performance	Earthwoll 040 2KD	standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,040	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
Reaction to Fire	Reaction to fire	A1	_
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	$\dashv$
weathering, ageing / degradation			
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
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	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	$\dashv$
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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#### G4248GPCPR Earthwool 040



Essential Characteristics	G4248GP0	CPR	Harmonised technical standard
	Performance	Earthwool 040	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,040	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
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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# G4248GPCPR Earthwool Alu 040



Essential Characteristics	G4248GP	CPR	Harmonised technical standard
	Performance	Earthwool Alu 040	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λD 0,040	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
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 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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#### G4248GPCPR Earthwool E 40 Alu



Essential Characteristics	G4248GP	CPR	Harmonised technical standard
	Performance	Earthwool E 40 Alu	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,040	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
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}	
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	$\neg$
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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# G4248GPCPR Earthwool KD 040



Essential Characteristics	G4248GP	CPR	Harmonised technical standard
	Performance	Earthwool KD 040	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,040	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
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 deter	mined	

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# G4248GPCPR Earthwool P 040



Essential Characteristics	G4248GP0	CPR	Harmonised technical standard
	Performance	Earthwool P 040	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λD 0,040	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
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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# G4248GPCPR Earthwool P Alu 040



Essential Characteristics	G4248GP0	CPR	Harmonised technical standard
	Performance	Earthwool P Alu 040	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,040	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
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}	
fleat, 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	$\dashv$
	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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# G4248GPCPR EarthwoolPlus 2xKD 040



Essential Characteristics	G4248GP	CPR	Harmonised technical standard
	Performance	EarthwoolPlus 2xKD 040	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,040	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
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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#### G4248GPCPR KI Fit 040



Essential Characteristics	G4248GPCP	G4248GPCPR	
	Performance	KI Fit 040	standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,040	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
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 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 determin	ned	

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# G4248GPCPR KI KlimaRoll F 040



Essential Characteristics	G4248GPC	CPR	Harmonised technical standard
	Performance	KI KlimaRoll F 040	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λD 0,040	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
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 determ	nined	

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# G4248GPCPR Knauf Insulation 040



Essential Characteristics	G4248GP	CPR	Harmonised technical standard
	Performance	Knauf Insulation 040	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,040	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
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	$\dashv$
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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# G4248GPCPR Knauf Insulation Alu 040



Essential Characteristics	G4248GPCPR		Harmonised technical standard
	Performance	Knauf Insulation Alu 040	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,040	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
Reaction to Fire	Reaction to fire	C-s1, d0	
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 detern	nined	

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# G4248GPCPR Knauf Insulation KD 040



Essential Characteristics	G4248GPCPR		Harmonised technical
	Performance	Knauf Insulation KD 040	standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,040	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
Desertion to Fire			
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 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	$\dashv$
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	rmined	

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#### G4248GPCPR Loftroll 040



Essential Characteristics	G4248G	PCPR	Harmonised technical
	Performance	Loftroll 040	standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,040	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
neat, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	NPD {d}	
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	NPD	
	Long term water absorption	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	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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# G4248GPCPR Loftroll Alu 040



Essential Characteristics	G4248GPC	CPR	Harmonised technical standard
	Performance	Loftroll Alu 040	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,040	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
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 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 determ	nined	

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# G4248GPCPR Loftroll KD 040



Essential Characteristics	G4248GP0	CPR	Harmonised technical standard
	Performance	Loftroll KD 040	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,040	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
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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#### G4248GPCPR Naturoll 040



	1		
Essential Characteristics	G4248GP	PCPR	Harmonised technical standard
	Performance	Naturoll 040	Standalu
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,040	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
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	$\dashv$
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}	
		rmined	

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# G4248GPCPR Naturoll Alu 040



Essential Characteristics	G4248G	PCPR	Harmonised technical
	Performance	Naturoll Alu 040	standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,040	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
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}	
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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#### G4248GPCPR Naturoll KD 040



Essential Characteristics	G4248GPC	Harmonised technical standard	
	Performance	Standard	
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,040	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
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	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 determ	nined	

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# G4248GPCPR NatuRoll Plus



Essential Characteristics	G4248GP0	Harmonised technical standard	
	Performance	NatuRoll Plus	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,040	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	_
weathering, ageing / degradation			
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength		
	Point Load	NPD	_
Tensile / Flexural strength	Tensile strength perpendicular faces	NPD {d}	
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	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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#### G4248GPCPR TI 140



Essential Characteristics	G4248GP0	Harmonised technical standard	
	Performance	TI 140	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λD 0,040	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	50 - 260	
	Thickness tolerance	T1	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation	Julianii, and according	5 (6)	
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	$\overline{}$
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		

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#### G4248GPCPR TI 312RA



	I				
Essential Characteristics	G4248GP0	Harmonised technical standard			
	Performance	Standard			
	{f}				
Thermal Resistance	Thermal conductivity (W/mK)	λD 0,040	EN 13162:2012 +		
	Thermal Resistance	See product label	A1:2015		
	Thickness range (mm)	50 - 260			
	Thickness tolerance	T1			
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}			
,	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	$\dashv$		
	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				

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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 Resistance Table														
[mm] [m²K/W]	50 1,25	60 1,50	70 1,75	80 2,00	90 2,25	100 2,50	110 2,75	120 3,00	130 3,25	140 3,50	150 3,75	160 4,00	170 4,25	180 4,50
[mm] [m²K/W]	190 4,75	200 5,00	210 5,25	220 5,50	230 5,75	240 6,00	250 6,25	260 6,50						

Signed for an on behalf of the manufacturer by:

Erkan Uçok - Plant manager (Name and function)

Eskisehir - 21-04-20

(Place and date of issue)

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<sup>{</sup>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.

<sup>(</sup>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

 $<sup>\</sup>label{eq:continuous} \ensuremath{\{c\}} \ensuremath{\mbox{ For dimensional stability thickness only} \\$ 

 $<sup>\{</sup>d\}$  This characteristic also covers handling and installation

<sup>{</sup>e} European test methods are under development

<sup>{</sup>f} Also valid and applicable for multilayers