Declaration of Performance



G4248LPCPR

1. Unique identification code of the product-type:

Earthwool 035, Earthwool P 035, Earthwool KD 035, EarthwoolPlus 2xKD 035, Naturoll 035, Naturoll KD 035, Naturboard 035, UNIFIT 035, Loftroll 035, Loftroll KD 035, Knauf Insulation 035, Knauf Insulation KD 035, Classic 035, Classic KD 035, TP 425B, TPM 135, Earthwool 035 Alu, Earthwool P Alu 035, Classic Alu 035, Loftroll Alu 035, Knauf Insulation Alu 035, Naturoll Alu 035, KI KLIMAROLL 035, Earthwool 2xKD 035

2. Intended use or uses:

Thermal Insulation for Buildings (ThIB)

3. Manufacturer:

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

4. <u>Authorised representative:</u>

Not applicable

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

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

6a. Harmonized Standard:

EN 13162:2012 + A1:2015

Notified body or bodies:

AVCP System 1: (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. <u>Declared Performances:</u>

See next page

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G4248LPCPR Classic 035



	G4248LPCPR		Harmonised technical
	Performance	Classic 035	standard
Thermal Resistance	Thermal conductivity (W/mK)	λD 0,035	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	30-260	
	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	\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 dete	rmined	

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G4248LPCPR Classic Alu 035



Essential Characteristics	G4248LPC	CPR	Harmonised technical standard
	Performance	Classic Alu 035	Standard
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	30-260	
	Thickness tolerance	T2	
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 heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
3, 4, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	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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G4248LPCPR Classic KD 035



Essential Characteristics	G4248LPC	CPR	Harmonised technical standard
	Performance	Classic KD 035	Standard
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	30-260	
	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 heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
meat, meathering, ageing / aegradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	NPD {d}	
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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G4248LPCPR Earthwool 035



Essential Characteristics	G4248LP0	CPR	Harmonised technical standard
	Performance	Earthwool 035	standard
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	30-260	
	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 heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
3, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4,	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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G4248LPCPR Earthwool 035 Alu



Essential Characteristics	G4248LPCP	R	Harmonised technical
	Performance	Earthwool 035 Alu	standard
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	30-260	
	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	\dashv
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorptions index	Sound absorption	NPD	
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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G4248LPCPR Earthwool 2xKD 035



Essential Characteristics	G4248LP0	CPR	Harmonised technical standard
	Performance	Earthwool 2xKD 035	Standard
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	30 - 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 heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
3, 4, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	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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G4248LPCPR Earthwool KD 035



Essential Characteristics	G4248LPC	CPR	Harmonised technical standard
	Performance	Earthwool KD 035	Standard
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	30-260	
	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 heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
3, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	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	mined	

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G4248LPCPR Earthwool P 035



Essential Characteristics	G4248LPC	CPR	Harmonised technical standard
	Performance	Earthwool P 035	standard
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	30-260	
	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}	
3, 4, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	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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G4248LPCPR Earthwool P Alu 035



Essential Characteristics	G4248LPC	CPR	Harmonised technical standard
	Performance	Earthwool P Alu 035	Standard
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	30-260	
	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 heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
3, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4,	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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G4248LPCPR EarthwoolPlus 2xKD 035



Essential Characteristics	G4248LP(CPR	Harmonised technical standard
	Performance	EarthwoolPlus 2xKD 035	Standard
Thermal Resistance	Thermal conductivity (W/mK)	λD 0,035	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	30-260	
	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}	
meat, meathering, 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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G4248LPCPR KI KLIMAROLL 035



Essential Characteristics	G4248LP0	CPR	Harmonised technical standard
	Performance	KI KLIMAROLL 035	Standard
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	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, weathering, ageing / degradation	Durability Characteristics	NPD {a}	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
,	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	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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G4248LPCPR Knauf Insulation 035



Essential Characteristics	G4248LPC	CPR	Harmonised technical standard
	Performance	Knauf Insulation 035	Standard
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	30-260	
	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 heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
3, 4, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	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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G4248LPCPR Knauf Insulation Alu 035



Essential Characteristics	G4248LPCPR		Harmonised technical standard
	Performance	Knauf Insulation Alu 035	Standard
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	30-260	
	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}	
3, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4,	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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G4248LPCPR Knauf Insulation KD 035



Essential Characteristics	G4248LP0	CPR	Harmonised technical standard
	Performance	Knauf Insulation KD 035	Standard
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	30-260	
	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}	
3, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4,	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	\neg
	Compressibility	NPD	\neg
	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 deterr	mined	

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G4248LPCPR Loftroll 035



Essential Characteristics	G4248LP0	CPR	Harmonised technical standard
	Performance	Loftroll 035	standard
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	30-260	
	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}	
3, 4, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	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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G4248LPCPR Loftroll Alu 035



Essential Characteristics	G4248LP0	CPR	Harmonised technical standard
	Performance	Loftroll Alu 035	Standard
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	30-260	_
	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	\dashv
Tensile / Flexural strength	Tensile strength perpendicular faces	NPD {d}	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	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		

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G4248LPCPR Loftroll KD 035



Essential Characteristics	G4248LP0	CPR	Harmonised technical standard
	Performance	Loftroll KD 035	Standard
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	30-260	
	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}	
3, 4, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	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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G4248LPCPR Naturboard 035



Essential Characteristics	G4248LPCPR		Harmonised technical
	Performance	Naturboard 035	standard
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 + A1:2015
	Thermal Resistance	See product label	A1.2015
	Thickness range (mm)	30-260	
	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 heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
near, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	NPD {d}	
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	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	rmined	

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G4248LPCPR Naturoll 035



Thermal Resistance	Performance	Naturoll 035	standard
Thermal Resistance			
Thermal Resistance		2 0 005	51142462 2042
	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 + A1:2015
	Thermal Resistance	See product label	
	Thickness range (mm)	30-260	
	Thickness tolerance	T1	
Reaction to Fire	Reaction to fire	A1	
Ourability 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}	
urability 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 dete	rmined	

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G4248LPCPR Naturoll Alu 035



Essential Characteristics	G4248LPC	CPR	Harmonised technical standard
	Performance	Naturoll Alu 035	Standard
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	30-260	
	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 heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
3, 4, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	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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G4248LPCPR Naturoll KD 035



Essential Characteristics	G4248LP0	CPR	Harmonised technical standard
	Performance	Naturoll KD 035	Standard
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	30-260	
	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 deterr	nined	

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G4248LPCPR TP 425B



Essential Characteristics	G4248L	PCPR	Harmonised technical
	Performance	TP 425B	standard
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	30-260	
	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 heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
neat, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	NPD {d}	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	WS	
	Long term water absorption	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 dete	rmined	

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G4248LPCPR TPM 135



Essential Characteristics	G4248L	PCPR	Harmonised technical
	Performance	TPM 135	standard
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	30-260	
	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 heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
near, wearnering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	NPD {d}	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	WS	
	Long term water absorption	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 dete	rmined	

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G4248LPCPR UNIFIT 035



Essential Characteristics	G4248LPC	CPR	Harmonised technical standard
	Performance	UNIFIT 035	Standard
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,035	EN 13162:2012 +
	Thermal Resistance	See product label	A1:2015
	Thickness range (mm)	30-260	
	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 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}	
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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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]	25	30	35	40	45	50	55	60	65	70	75	80	85	90
[m ² K/W]	0,70	0,85	1,00	1,10	1,25	1,40	1,55	1,70	1,85	2,00	2,10	2,25	2,40	2,55
[mm]	95	100	105	110	115	120	125	130	135	140	145	150	155	160
$[m^2K/W]$	2,70	2,85	3,00	3,10	3,25	3,40	3,55	3,70	3,85	4,00	4,10	4,25	4,40	4,55
[mm]	165	170	175	180	185	190	195	200	205	210	215	220	225	230
[m ² K/W]	4,70	4,85	5,00	5,10	5,25	5,40	5,55	5,70	5,85	6,00	6,10	6,25	6,40	6,55
[mm]	235	240	245	250	255	260								
[m²K/W]	6.70	6.85	7.00	7.10	7.25	7.40								

Signed for an on behalf of the manufacturer by:

Erkan Uçok - Plant manager (Name and function)

Eskisehir - 17-10-19 (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