## **Declaration of Performance**



## G4335JPCPR

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

CLASSIC 040-V, ECOBATT 037, ECOBLANKET 037, EKOBOARD 037, MUR ISOL, MUR ISOL 037, NATUROLL 037, SPACE SLAB 037, SPACE ROLL 037, TI140W, TP115, TP116, TP416, TPM100, UNIFIT 037, FHP 037, AS (Acoustic Slab), Formstykker 37 (Ecobatt), Rulle 37 (Ecoblanket), Murisolering 37

### 2. Intended use or uses:

Thermal Insulation for Buildings (ThIB)

#### 3. Manufacturer:

Knauf Insulation GmbH,
Weststraße 1, 06406 Bernburg
Germany
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) 0751 - Forschungsinstitut für Wärmeschutz e. V. München FIW München ---

AVCP System 3: (Notified testing laboratory) 0764 - Materialprüfanstalt für das Bauwesen und Produktionstechnik (MPA H) 0751 - Forschungsinstitut für Wärmeschutz e. V. München FIW München --- ---

# 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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## G4335JPCPR AS (Acoustic Slab)



Essential Characteristics	G4335JP0	G4335JPCPR		
	Performance	AS (Acoustic Slab)	standard	
	{f}			
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +	
	Thermal Resistance	See performance chart	A1:2015	
	Thickness range (mm)	40 - 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	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 deterr	mined		

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## G4335JPCPR CLASSIC 040-V



Essential Characteristics	G4335JPCPR		Harmonised technical
	Performance	CLASSIC 040-V	standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	40 - 220	$\dashv$
	Thickness tolerance	T2	$\dashv$
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	_
weathering, ageing / degradation			
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	_
neat, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	NPD {d}	
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	NPD	_
	Long term water absorption	NPD	$\neg$
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Impact noise transmissions index (for	Dynamic stiffness	NPD	
floors)	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	AFr5	
Acoustic absorptions index	Sound absorption	NPD	$\neg$
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 deter	mined	

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## G4335JPCPR ECOBATT 037



Essential Characteristics	G4335JPC	CPR	Harmonised technical standard
	Performance	ECOBATT 037	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	40 - 220	
	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	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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## G4335JPCPR ECOBLANKET 037



Essential Characteristics	G4335JPCPR		Harmonised technical standard
	Performance	ECOBLANKET 037	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	40 - 220	
	Thickness tolerance	T2	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
neat, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	NPD {d}	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	WS	
	Long term water absorption	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	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	mined	

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## G4335JPCPR EKOBOARD 037



Essential Characteristics	G4335JPCPR		Harmonised technical standard
	Performance	EKOBOARD 037	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	40 - 220	
	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	AFr5	$\dashv$
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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## G4335JPCPR FHP 037



Essential Characteristics	G4335JP0	CPR	Harmonised technica standard
	Performance	FHP 037	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	30 - 300	
	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 heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
neat, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	NPD {d}	_
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	WS	
	Long term water absorption	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	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	nined	

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## G4335JPCPR Formstykker 37 (Ecobatt)



Essential Characteristics	G4335JP(	Harmonised technical standard	
	Performance	Formstykker 37 (Ecobatt)	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	45 - 295	
	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 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	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 deter	mined	

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## G4335JPCPR MUR ISOL



Essential Characteristics	G4335JP	CPR	Harmonised technical standard
	Performance	MUR ISOL	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	40 - 220	
	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 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 deter	mined	

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## G4335JPCPR MUR ISOL 037



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Essential Characteristics	G4335JP	CPR	Harmonised technical standard
	Performance	MUR ISOL 037	
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	40 - 220	
	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	$\dashv$
Tensile / Flexural strength	Tensile strength perpendicular faces	NPD {d}	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	WS	
	Long term water absorption	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	$\dashv$
	Air flow resistivity	NPD	_
Acoustic absorptions index	Sound absorption	NPD	$\dashv$
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 dator	mined	
	NPD - No performance deter	minea	

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## G4335JPCPR Murisolering 37



Essential Characteristics	G4335JPC	PR	Harmonised technical standard
	Performance	Murisolering 37	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	125 - 290	
	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}	
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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## G4335JPCPR NATUROLL 037



Essential Characteristics	G4335JPC	CPR	Harmonised technical standard
	Performance	NATUROLL 037	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	40 - 220	
	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	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	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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## G4335JPCPR Rulle 37 (Ecoblanket)



Essential Characteristics	G4335JP0	CPR	Harmonised technical standard
	Performance	Rulle 37 (Ecoblanket)	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	45 - 245	
	Thickness tolerance	T2	
Reaction to Fire	Reaction to fire	A1	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation			
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
neat, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	NPD {d}	_
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Water Permeability	Short term water absorption	ws	
	Long term water absorption	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	AFr5	$\dashv$
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	mined	

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## G4335JPCPR SPACE ROLL 037



Essential Characteristics	G4335JP0	Harmonised technical standard			
	Performance	SPACE ROLL 037	Standard		
	{f}				
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +		
	Thermal Resistance	See performance chart	A1:2015		
	Thickness range (mm)	40 - 220			
	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				
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	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	mined			

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## G4335JPCPR SPACE SLAB 037



Essential Characteristics	G4335JP0	Harmonised technical standard	
	Performance	SPACE SLAB 037	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	40 - 220	
	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		
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		
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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## G4335JPCPR TI140W



Essential Characteristics	G4335JPC	Harmonised technica standard	
	Performance	TI140W	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	40 - 220	
	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		
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	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	mined	

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## G4335JPCPR TP115



Essential Characteristics	G4335JPC	Harmonised technical standard			
	Performance	TP115	Standard		
	{f}				
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 + A1:2015		
	Thermal Resistance	See performance chart	A1:2015		
	Thickness range (mm)	40 - 220			
	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 NPD Strength				
	Point Load	NPD			
Tensile / Flexural strength	Tensile strength perpendicular faces				
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	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	mined			

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## G4335JPCPR TP116



Essential Characteristics	G4335JP0	CPR	Harmonised technical
	Performance	TP116	standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	40 - 220	
	Thickness tolerance	T4	
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}	
Acadicing, aboning / acgradation	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	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	AFr5	$\neg$
Acoustic absorptions index	Sound absorption	NPD	$\neg$
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 deter	mined	

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### G4335JPCPR TP416



Essential Characteristics	G4335JPC	Harmonised technica standard	
	Performance	TP416	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	40 - 220	
	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 heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
neat, 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		
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	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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## G4335JPCPR TPM100



Essential Characteristics	G4335JP0	Harmonised technical standard	
	Performance	TPM100	Standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See performance chart	A1:2015
	Thickness range (mm)	40 - 220	
	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 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		
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	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	mined	

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## G4335JPCPR UNIFIT 037



Essential Characteristics	G4335JP	Harmonised technical	
	Performance	UNIFIT 037	standard
	{f}		
Thermal Resistance	Thermal conductivity (W/mK)	λο 0,037	EN 13162:2012 +
	Thermal Resistance	See performance chart	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	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 deter	rmined	

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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]	30	40	50	60	70	80	90	100	110	120	130	140	150	160
[m²K/W]	0,80	1,05	1,35	1,60	1,85	2,15	2,40	2,70	2,95	3,20	3,50	3,75	4,05	4,30
[mm]	170	180	190	200	210	220	230	240	250	260	270	280	290	300
[m²K/W]	4,55	4,85	5,10	5,40	5,65	5,90	6,20	6,45	6,75	7,00	7,25	7,55	7,80	8,10

Signed for an on behalf of the manufacturer by:

David Lieberman - Plant manager (Name and function)

DLin

Bernburg - 09-05-22 (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>c} For dimensional stability thickness only

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

 $<sup>\</sup>ensuremath{\{e\}}\ensuremath{\mbox{ European test methods are under development}$ 

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