

Declaration of Performance

G4222JPCPR

1. Unique Identification code of the product-type:
CLASSIC 037, CLASSIC 040-V, ECOBATT 037, ECOBATT MUR ISOLERING 037, ECOBLANKET, ECOBLANKET 037, FactPlus IPB 037, FactPlus FCB 037, FactPlus LBB 037, FactPlus LRB 037, NATURBOARD 037, NATUROLL 037, MINERAL PLUS IPB 037, TM100, TI116, TI137U, TI140W, TI416, TP115, TP116, TP416, TPM100, ULTRACOUSTIC P, UNIFIT 037, EKOBOARD 037, CLIMOWOOL DF 37, CLIMOWOOL TW1, CLIMOWOOL TW1-E, CLIMOWOOL FD1/V, CLIMOWOOL KF1, CLIMOWOOL KD1/V, AKUSTIK BOARD.
2. Type, Batch or serial number or any other element allowing identification of the construction product as required under article 11(4) of the CPR:
See Product Label.
3. Intended use or uses of the construction product , in accordance with the applicable harmonised technical specification foreseen by the manufacturer:
Thermal Insulation for Buildings (ThIB) - EN 13162:2012
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):
Knauf Insulation
Am Bahnhof 7, 97346 Iphofen,
Deutschland
www.knaufinsulation.com
Contact: dop@knaufinsulation.com
5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):
Not applicable.
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:
 - AVCP System 1 for Reaction to Fire
 - AVCP System 3 for the other characteristics
7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:
MPA Hannover (Notified certification body N° 0764) performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control; and issued the certificate of constancy of performance for reaction to fire under system 1

MPA Hannover (Notified testing laboratory N°0764) performed the test reports for the other declared characteristics under system 3.
8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:
Not applicable.

9. Declared Performances:

Essential Characteristics	G4222JPCPR					Harmonised Technical Specification
	Performance	CLASSIC 037	CLASSIC 040-V	ECOBATT 037	ECOBATT MUR ISOLERING 037	
Thermal Resistance	Thermal conductivity (W/mK)	0.037	0.037	0.037	0.037	EN 13162:2012
	Thermal Resistance	See product label				
	Thickness range (mm)	40-260	30-220	40-260	40-260	
	Thickness tolerance	T2	T2	T4	T4	
Reaction to Fire	Reaction to fire	A1	A1	A1	A1	
Continuous glowing combustion	Continuous glowing combustion ^e	NPD	NPD	NPD	NPD	
Tensile/Flexural strength	Tensile strength perpendicular faces ^d	NPD	NPD	NPD	NPD	
Compressive Strength	Compressive Stress/Compressive Strength	NPD	NPD	NPD	NPD	
	Point Load	NPD	NPD	NPD	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	NPD	NPD	NPD	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics ^a	NPD	NPD	NPD	NPD	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance ^b	NPD	NPD	NPD	NPD	
	Thermal conductivity ^b	NPD	NPD	NPD	NPD	
	Durability characteristics ^c	NPD	NPD	NPD	NPD	
Water Permeability	Short term water absorption	WS	NPD	NPD	WS	
	Long term water absorption	WL(P)	NPD	NPD	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	NPD	NPD	NPD	
Impact noise transmissions index (for floors)	Dynamic stiffness	NPD	NPD	NPD	NPD	
	Thickness ^{d_L}	NPD	NPD	NPD	NPD	
	Compressibility ^c	NPD	NPD	NPD	NPD	
	Air flow resistivity	AFr5	AFr5	AFr5	AFr5	
Acoustic absorptions index	Sound absorption	NPD	NPD	NPD	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr5	AFr5	AFr5	AFr5	
Release of dangerous substances to the indoor environment	Release of dangerous substances ^e	NPD	NPD	NPD	NPD	
NPD – No performance determined						

Essential Characteristics	G4222JPCPR					Harmonised Technical Specification
	Performance	ECOBLANKET	ECOBLANKET 037	FactPlus IPB 037	FactPlus FCB 037	
Thermal Resistance	Thermal conductivity (W/mK)	0.037	0.037	0.037	0.037	EN 13162:2012
	Thermal Resistance	See product label				
	Thickness range (mm)	40-260	40-260	40-260	40-260	
	Thickness tolerance	T2	T2	T2	T2	
Reaction to Fire	Reaction to fire	A1	A1	A1	A1	
Continuous glowing combustion	Continuous glowing combustion ^e	NPD	NPD	NPD	NPD	
Tensile/Flexural strength	Tensile strength perpendicular faces ^d	NPD	NPD	NPD	NPD	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	NPD	NPD	NPD	
	Point Load	NPD	NPD	NPD	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	NPD	NPD	NPD	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics ^a	NPD	NPD	NPD	NPD	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance ^b	NPD	NPD	NPD	NPD	
	Thermal conductivity ^b	NPD	NPD	NPD	NPD	
	Durability characteristics ^c	NPD	NPD	NPD	NPD	
Water Permeability	Short term water absorption	NPD	NPD	WS	WS	
	Long term water absorption	NPD	NPD	WL(P)	WL(P)	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	NPD	MU1	MU1	
Impact noise transmissions index (for floors)	Dynamic stiffness	NPD	NPD	NPD	NPD	
	Thickness ^d _L	NPD	NPD	NPD	NPD	
	Compressibility ^c	NPD	NPD	NPD	NPD	
	Air flow resistivity	AFr5	AFr5	AFr5	AFr5	
Acoustic absorptions index	Sound absorption	NPD	NPD	NPD	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr5	AFr5	AFr5	AFr5	
Release of dangerous substances to the indoor environment	Release of dangerous substances ^e	NPD	NPD	NPD	NPD	
NPD – No performance determined						

Essential Characteristics	G4222JPCPR					Harmonised Technical Specification
	Performance	FactPlus LBB 037	FactPlus LRB 037	NATURBOARD 037	NATUROLL 037	
Thermal Resistance	Thermal conductivity (W/mK)	0.037	0.037	0.037	0.037	EN 13162:2012
	Thermal Resistance	See product label				
	Thickness range (mm)	40-260	40-260	40-260	40-260	
	Thickness tolerance	T2	T2	T2	T2	
Reaction to Fire	Reaction to fire	A1	A1	A1	A1	
Continuous glowing combustion	Continuous glowing combustion ^e	NPD	NPD	NPD	NPD	
Tensile/Flexural strength	Tensile strength perpendicular faces ^d	NPD	NPD	NPD	NPD	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	NPD	NPD	NPD	
	Point Load	NPD	NPD	NPD	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	NPD	NPD	NPD	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics ^a	NPD	NPD	NPD	NPD	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance ^b	NPD	NPD	NPD	NPD	
	Thermal conductivity ^b	NPD	NPD	NPD	NPD	
	Durability characteristics ^c	NPD	NPD	NPD	NPD	
Water Permeability	Short term water absorption	WS	WS	WS	WS	
	Long term water absorption	WL(P)	WL(P)	WL(P)	WL(P)	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	MU1	MU1	MU1	MU1	
Impact noise transmissions index (for floors)	Dynamic stiffness	NPD	NPD	NPD	NPD	
	Thickness ^d _L	NPD	NPD	NPD	NPD	
	Compressibility ^c	NPD	NPD	NPD	NPD	
	Air flow resistivity	AFr5	AFr5	AFr5	AFr5	
Acoustic absorptions index	Sound absorption	NPD	NPD	NPD	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr5	AFr5	AFr5	AFr5	
Release of dangerous substances to the indoor environment	Release of dangerous substances ^e	NPD	NPD	NPD	NPD	
NPD – No performance determined						

Essential Characteristics	G4222JPCPR					Harmonised Technical Specification
	Performance	MINERAL PLUS IPB 037	TM100	TI116	TI137U	
Thermal Resistance	Thermal conductivity (W/mK)	0.037	0.037	0.037	0.037	EN 13162:2012
	Thermal Resistance	See product label				
	Thickness range (mm)	30-260	30-260	30-200	50-260	
	Thickness tolerance	T2	T2	T4	T2	
Reaction to Fire	Reaction to fire	A1	A1	A1	A1	
Continuous glowing combustion	Continuous glowing combustion ^e	NPD	NPD	NPD	NPD	
Tensile/Flexural strength	Tensile strength perpendicular faces ^d	NPD	NPD	NPD	NPD	
Compressive Strength	Compressive Stress/Compressive Strength	NPD	NPD	NPD	NPD	
	Point Load	NPD	NPD	NPD	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	NPD	NPD	NPD	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics ^a	NPD	NPD	NPD	NPD	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance ^b	NPD	NPD	NPD	NPD	
	Thermal conductivity ^b	NPD	NPD	NPD	NPD	
	Durability characteristics ^c	NPD	NPD	NPD	NPD	
Water Permeability	Short term water absorption	NPD	WS	WS	NPD	
	Long term water absorption	NPD	WL(P)	WL(P)	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	MU1	NPD	NPD	NPD	
Impact noise transmissions index (for floors)	Dynamic stiffness	NPD	NPD	NPD	NPD	
	Thickness ^{d_L}	NPD	NPD	NPD	NPD	
	Compressibility ^c	NPD	NPD	NPD	NPD	
	Air flow resistivity	AFr5	AFr5	AFr5	AFr5	
Acoustic absorptions index	Sound absorption	NPD	NPD	NPD	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr5	AFr5	AFr5	AFr5	
Release of dangerous substances to the indoor environment	Release of dangerous substances ^e	NPD	NPD	NPD	NPD	
NPD – No performance determined						

Essential Characteristics	G4222JPCPR					Harmonised Technical Specification
	Performance	TI140W	TI416	TP115	TP116	
Thermal Resistance	Thermal conductivity (W/mK)	0.037	0.037	0.037	0.037	EN 13162:2012
	Thermal Resistance	See product label				
	Thickness range (mm)	25-260	30-200	40-260	30-260	
	Thickness tolerance	T2	T4	T2	T4	
Reaction to Fire	Reaction to fire	A1	A1	A1	A1	
Continuous glowing combustion	Continuous glowing combustion ^e	NPD	NPD	NPD	NPD	
Tensile/Flexural strength	Tensile strength perpendicular faces	NPD	NPD	NPD	NPD	
Compressive Strength	Compressive Stress/Compressive Strength	NPD	NPD	NPD	NPD	
	Point Load	NPD	NPD	NPD	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	NPD	NPD	NPD	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics ^a	NPD	NPD	NPD	NPD	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance ^b	NPD	NPD	NPD	NPD	
	Thermal conductivity ^b	NPD	NPD	NPD	NPD	
	Durability characteristics ^c	NPD	NPD	NPD	NPD	
Water Permeability	Short term water absorption	WS	WS	NPD	WS	
	Long term water absorption	WL(P)	WL(P)	NPD	WL(P)	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	NPD	NPD	NPD	
Impact noise transmissions index (for floors)	Dynamic stiffness	NPD	NPD	NPD	NPD	
	Thickness ^d _L	NPD	NPD	NPD	NPD	
	Compressibility ^c	NPD	NPD	NPD	NPD	
	Air flow resistivity	AFr5	AFr5	AFr5	AFr5	
Acoustic absorptions index	Sound absorption	NPD	NPD	NPD	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr5	AFr5	AFr5	AFr5	
Release of dangerous substances to the indoor environment	Release of dangerous substances ^e	NPD	NPD	NPD	NPD	
NPD – No performance determined						

Essential Characteristics	G4222JPCPR					Harmonised Technical Specification
	Performance	TP416	TPM100	ULTRA-COUSTIC P	UNIFIT 037	
Thermal Resistance	Thermal conductivity (W/mK)	0.037	0.037	0.037	0.037	EN 13162:2012
	Thermal Resistance	See product label				
	Thickness range (mm)	30-200	40-220	30-220	50-260	
	Thickness tolerance	T4	T4	T4	T2	
Reaction to Fire	Reaction to fire	A1	A1	A1	A1	
Continuous glowing combustion	Continuous glowing combustion ^e	NPD	NPD	NPD	NPD	
Tensile/Flexural strength	Tensile strength perpendicular faces ^d	NPD	NPD	NPD	NPD	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	NPD	NPD	NPD	
	Point Load	NPD	NPD	NPD	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	NPD	NPD	NPD	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics ^a	NPD	NPD	NPD	NPD	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance ^b	NPD	NPD	NPD	NPD	
	Thermal conductivity ^b	NPD	NPD	NPD	NPD	
	Durability characteristics ^c	NPD	NPD	NPD	NPD	
Water Permeability	Short term water absorption	WS	WS	NPD	NPD	
	Long term water absorption	WL(P)	WL(P)	NPD	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	NPD	NPD	NPD	
Impact noise transmissions index (for floors)	Dynamic stiffness	NPD	NPD	NPD	NPD	
	Thickness ^d _L	NPD	NPD	NPD	NPD	
	Compressibility ^c	NPD	NPD	NPD	NPD	
	Air flow resistivity	AFr5	AFr5	AFr5	AFr5	
Acoustic absorptions index	Sound absorption	NPD	NPD	NPD	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr5	AFr5	AFr5	AFr5	
Release of dangerous substances to the indoor environment	Release of dangerous substances ^e	NPD	NPD	NPD	NPD	
NPD – No performance determined						

Essential Characteristics	G4222JPCPR					Harmonised Technical Specification
	Performance	EKOBOARD 037	AKUSTIK BOARD	CLIMOWOOL		
				KF1	KD1/V	
Thermal Resistance	Thermal conductivity (W/mK)	0.037	0.037	0.037	0.037	EN 13162:2012
	Thermal Resistance	See product label				
	Thickness range (mm)	40-260	40-260	40-240	30-220	
	Thickness tolerance	T2	T2	T2	T4	
Reaction to Fire	Reaction to fire	A1	A1	A1	A1	
Continuous glowing combustion	Continuous glowing combustion ^e	NPD	NPD	NPD	NPD	
Tensile/Flexural strength	Tensile strength perpendicular faces ^d	NPD	NPD	NPD	NPD	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	NPD	NPD	NPD	
	Point Load	NPD	NPD	NPD	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	NPD	NPD	NPD	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics ^a	NPD	NPD	NPD	NPD	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance ^b	NPD	NPD	NPD	NPD	
	Thermal conductivity ^b	NPD	NPD	NPD	NPD	
	Durability characteristics ^c	NPD	NPD	NPD	NPD	
Water Permeability	Short term water absorption	NPD	NPD	NPD	NPD	
	Long term water absorption	NPD	NPD	NPD	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	NPD	NPD	NPD	
Impact noise transmissions index (for floors)	Dynamic stiffness	NPD	NPD	NPD	NPD	
	Thickness ^d _L	NPD	NPD	NPD	NPD	
	Compressibility ^c	NPD	NPD	NPD	NPD	
	Air flow resistivity	AFr5	AFr5	AFr5	AFr5	
Acoustic absorptions index	Sound absorption	NPD	NPD	NPD	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr5	AFr5	AFr5	AFr5	
Release of dangerous substances to the indoor environment	Release of dangerous substances ^e	NPD	NPD	NPD	NPD	
NPD – No performance determined						

Essential Characteristics	G4222JPCPR					Harmonised Technical Specification
	Performance	CLIMOWOOL				
		DF37	TW1	TW1-e	FD1/V	
Thermal Resistance	Thermal conductivity (W/mK)	0.037	0.037	0.037	0.037	EN 13162:2012
	Thermal Resistance	See product label				
	Thickness range (mm)	50 – 260	40 – 260	40 – 260	30 - 200	
	Thickness tolerance	T2	T2	T2	T4	
Reaction to Fire	Reaction to fire	A1	A1	A1	A1	
Continuous glowing combustion	Continuous glowing combustion ^e	NPD	NPD	NPD	NPD	
Tensile/Flexural strength	Tensile strength perpendicular faces ^d	NPD	NPD	NPD	NPD	
Compressive Strength	Compressive Stress / Compressive Strength	NPD	NPD	NPD	NPD	
	Point Load	NPD	NPD	NPD	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	NPD	NPD	NPD	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics ^a	NPD	NPD	NPD	NPD	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance ^b	NPD	NPD	NPD	NPD	
	Thermal conductivity ^b	NPD	NPD	NPD	NPD	
	Durability characteristics ^c	NPD	NPD	NPD	NPD	
Water Permeability	Short term water absorption	NPD	NPD	NPD	NPD	
	Long term water absorption	NPD	NPD	NPD	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	NPD	NPD	NPD	
Impact noise transmissions index (for floors)	Dynamic stiffness	NPD	NPD	NPD	NPD	
	Thickness ^{d_L}	NPD	NPD	NPD	NPD	
	Compressibility ^c	NPD	NPD	NPD	NPD	
	Air flow resistivity	AFr5	AFr5	AFr5	AFr5	
Acoustic absorptions index	Sound absorption	NPD	NPD	NPD	NPD	
Direct airborne sound insulation index	Air flow resistivity	AFr5	AFr5	AFr5	AFr5	
Release of dangerous substances to the indoor environment	Release of dangerous substances ^e	NPD	NPD	NPD	NPD	
NPD – No performance determined						

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Dominique Bossan – Managing Director
(Name and function)

Krupka – 12/12/2014
(Place and date of issue)



(Signature)

- 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