

Declaration of Performance

R4208IPCPR

1. Unique Identification code of the product-type:
KRIMPACT FLAT ROOF SLAB INC/EXL TF, PITCH ROOF SLAB, EWI SLAB PLUS, THERMAL FLOOR SLAB PLUS, FKD, TERMOCOFFRAGE, DDP-RT, DDP RT LJ, SMART ROOF ALL-FIX.
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 foreseen by the manufacturer:
Thermal Insulation for Buildings (ThIB) - EN 13162:2012 + A1:2015
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:
BSI (Notified certification body No. 0086) performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control; an issued the certificate of constancy of performance for reaction to fire under AVCP System 1.
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	R4208IPCPR				Harmonised Technical Specification
	Performance	KRIMPACT FLAT ROOF SLAB W/O TF	PITCH ROOF SLAB	EWI SLAB PLUS	
Thermal Resistance	Thermal conductivity (W/mK)	0,038	0,038	0,038	EN 13162:2012 + A1:2015
	Thermal Resistance	See product label			
	Thickness range (mm)	50-160	25-100	50-260	
	Thickness tolerance	T5	T5	T5	
Reaction to Fire	Reaction to fire	A1	A1	A1	
Continuous glowing combustion	Continuous glowing combustion ^e	NPD	NPD	NPD	
Tensile/Flexural strength	Tensile strength perpendicular faces ^d	NPD	NPD	15	
Compressive Strength	Compressive Stress/Compressive Strength	NPD	NPD	40	
	Point Load	NPD	NPD	NPD	
Shear Strength	Shear Strength	NPD	NPD	NPD	
Bending Strength	Bending Strength	NPD	NPD	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	NPD	NPD	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics ^a	NPD	NPD	NPD	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance ^b	NPD	NPD	NPD	
	Thermal conductivity ^b	NPD	NPD	NPD	
	Durability characteristics ^c	NPD	NPD	NPD	
Water Permeability	Short term water absorption	WS	WS	WS	
	Long term water absorption	NPD	NPD	WL	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	MU 1	MU 1	MU 1	
Impact noise transmissions index (for floors)	Dynamic stiffness	NPD	NPD	NPD	
	Thickness ^d L	NPD	NPD	NPD	
	Compressibility ^c	NPD	NPD	NPD	
	Air flow resistivity	NPD	NPD	NPD	
Acoustic absorptions index	Sound absorption	NPD	NPD	NPD	
Direct airborne sound insulation index	Air flow resistivity	NPD	NPD	NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances ^e	NPD	NPD	NPD	
NPD – No performance determined					

Essential Characteristics	R4208IPCPR				Harmonised Technical Specification
	Performance	THERMAL FLOOR SLAB PLUS	THERMAL FLOOR SLAB PLUS	FKD	
Thermal Resistance	Thermal conductivity (W/mK)	0,038	0,038	0,038	EN 13162:2012 + A1:2015
	Thermal Resistance	See product label			
	Thickness range (mm)	25-<50	50-200	50-200	
	Thickness tolerance	T2	T4	T5	
Reaction to Fire	Reaction to fire	A1	A1	A1	
Continuous glowing combustion	Continuous glowing combustion ^e	NPD	NPD	NPD	
Tensile/Flexural strength	Tensile strength perpendicular faces ^d	NPD	NPD	15	
Compressive Strength	Compressive Stress/Compressive Strength	NPD	NPD	40	
	Point Load	NPD	NPD	NPD	
Shear Strength	Shear Strength	NPD	NPD	NPD	
Bending Strength	Bending Strength	NPD	NPD	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	NPD	NPD	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics ^a	NPD	NPD	NPD	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance ^b	NPD	NPD	NPD	
	Thermal conductivity ^b	NPD	NPD	NPD	
	Durability characteristics ^c	NPD	NPD	NPD	
Water Permeability	Short term water absorption	WS	NPD	WS	
	Long term water absorption	NPD	NPD	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	MU 1	MU 1	MU 1	
Impact noise transmissions index (for floors)	Dynamic stiffness	NPD	NPD	NPD	
	Thickness ^d L	NPD	NPD	NPD	
	Compressibility ^c	NPD	NPD	NPD	
	Air flow resistivity	NPD	NPD	NPD	
Acoustic absorptions index	Sound absorption	NPD	NPD	NPD	
Direct airborne sound insulation index	Air flow resistivity	NPD	NPD	NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances ^e	NPD	NPD	NPD	
NPD – No performance determined					

Essential Characteristics	R4208IPCPR				Harmonised Technical Specification
	Performance	TERMOCOFRAGE	DDP-RT DDP RT LJ	SMART ROOF ALL-FIX	
Thermal Resistance	Thermal conductivity (W/mK)	0,038	0,038	0,038	EN 13162:2012 + A1:2015
	Thermal Resistance	See product label			
	Thickness range (mm)	40-180	60-180	60-180	
	Thickness tolerance	T5	T5	T5	
Reaction to Fire	Reaction to fire	A1	A1	A1	
Continuous glowing combustion	Continuous glowing combustion ^e	NPD	NPD	NPD	
Tensile/Flexural strength	Tensile strength perpendicular faces ^d	TR5	TR10	NPD	
Compressive Strength	Compressive Stress/Compressive Strength	CS(10)30	CS(10)50	NPD	
	Point Load	PL(5)300	PL(5)500	NPD	
Shear Strength	Shear Strength	NPD	NPD	NPD	
Bending Strength	Bending Strength	NPD	NPD	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	NPD	NPD	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics ^a	NPD	NPD	NPD	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance ^b	NPD	NPD	NPD	
	Thermal conductivity ^b	NPD	NPD	NPD	
	Durability characteristics ^c	NPD	DS(70,90) DS (70,0)	NPD	
Water Permeability	Short term water absorption	WS	WS	NPD	
	Long term water absorption	WL(P)	WL(P)	NPD	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	NPD	NPD	
Impact noise transmissions index (for floors)	Dynamic stiffness	NPD	NPD	NPD	
	Thickness ^d L	NPD	NPD	NPD	
	Compressibility ^c	NPD	NPD	NPD	
	Air flow resistivity	NPD	NPD	NPD	
Acoustic absorptions index	Sound absorption	NPD	NPD	NPD	
Direct airborne sound insulation index	Air flow resistivity	NPD	NPD	NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances ^e	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:

Mark Joliffe – Plant Manager
(Name and function)



Queensferry – 15/11/2016
(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