Forschungsinstitut für Wärmeschutz e.V.
München

EC CERTIFICATE OF CONFORMITY

No.: K1-0751-CPD-093.0-01-04/10 (E)

In compliance the Directive 89/106/EEC of the Council of European Communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to the construction products (Construction Products Directive - CPD), amended by the Directive 93/68/EEC of the Council of European Communities of 22 July 1993, it has been stated that the

Construction product: **Knauf Insulation**
mineral wool products according to DIN EN 13162:2001:10
(details see annex)

placed on the market by: **KNAUF INSULATION d.o.o.**
42220 Novi Marof / Croatia

and produced in the factory: **Novi Marof**

is submitted by the manufacturer to a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the approved bodies:

Forschungsinstitut für Wärmeschutz e.V. München - Identification No. 0751 and
Materialprüfungsamt Braunschweig
Identifikation No. 0761

performed the initial type-testing for the relevant characteristics of the product, the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control and an audit-testing of samples taken at the factory, on the market or at the construction site.

This certificate attests that all provisions concerning the attestation of conformity and the performances described in Annex ZA of the standard

DIN EN 13162:2001-10

were applied and that the product fulfils all the prescribed requirements.

This certificate was first issued on 22 July 2010 and remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly.

Gräfelfing, 22 July 2010

Forschungsinstitut für Wärmeschutz e.V. München FIW MÜNCHEN 10

Head of Certification Body

Dipl.-Ing. (FH) W. Albrecht

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Annex EC Certificate of Conformity
No.:K1-0751-CPD-093.0-01-04/10 (E)

Construction product: **Knauf Insulation**
Mineral wool products
according to DIN EN 13162:2001-10

Placed on the market by: **KNAUF INSULATION d.o.o.**
Varaždinska 140
42220 Novi Marof

produced in the factory: **Novi Marof / Croatia**

At the date of issue of this annex, the confirmation of conformity applies to the following products.

Product	Facing	Thick-ness range (mm)	Declared thermal conduc-tivity	Class for thick-ness	Reaction to fire	Dimen-sion stability at specified temp.	Dimension stability at specified temp.and humidity	Compressive stress or strength	Tensile strength	Point load	Short term water absorpt.	Long term water absorpt.	Dynamic stiffness	Com-pressibility	Air flow resistance
AP GVB	glass veil black	40-210	0,035	T5	A1						WS				AF10
AP GW1	glass woven cloth	40-210	0,035	T5	A1						WS				AF10
APS GVB	glass veil black	20-200	0,035	T5	A1						WS				AF25
BL D100	no	100-210	0,035	T5	A1						WS				AF25
BL D120	no	100-210	0,035	T5	A1						WS				AF30
BL D80	no	100-210	0,035	T5	A1						WS				AF15
BL D90	no	100-210	0,035	T5	A1						WS				AF25

Product	Facing	Thick-ness range (mm)	Declared thermal conduct-ivity	Class for thick-ness	Reaction to fire	Dimen-sion stability at specified temp.	Dimension stability at specified temp.and humidity	Compressive stress or strength	Tensile strength	Point load	Short term water absorpt.	Long term water absorpt.	Dynamic stiffness	Com-pressibility	Air flow resistance
BL D95	no	100-210	0,035	T5	A1						WS				AF25
DDP	no	30-160	0,040	T5	A1	DS(T+)	DS(TH)	70	10	650	WS				
DDP-G	no	15-160	0,040	T5	A1	DS(T+)	DS(TH)	70	10	650	WS				
DDP-RT	no	50-160	0,038	T5	A1	DS(T+)	DS(TH)	50	10	500	WS				
DDP-RT	no	30-40	0,039	T5	A1	DS(T+)	DS(TH)	50	10	500	WS				
DP-10	no	20-210	0,035	T5	A1						WS				AF25
DP10 Alu	alu foil pure	20-200	0,035	T5	A1						WS				AF25
DP-10 AluR	alu foir reinforced	20-200	0,035	T5	A1						WS				AF25
DP-10 GVB	glass veil black	20-200	0,035	T5	A1						WS				AF25
DP-10 GVB2	glass veil black 2-sided	40-200	0,035	T5	A1						WS				AF25
DP-10 GVN	glass veil natural white	20-200	0,035	T5	A1						WS				AF25
DP-10 GW1	glass woven cloth	20-200	0,035	T5	A1						WS				AF25
DP-10 NP	natron paper	20-200	0,035	T5	F						WS				AF25

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DP-11	no	20-100	0,035	T5	A1						WS				AF30
DP-12	no	20-100	0,036	T5	A1						WS				AF30
DP-12 ALUR	alu foil reinforced	20-100	0,036	T5	A1						WS				AF30
DP-12 GVB	glass veil black	20-100	0,036	T5	A1						WS				AF30
DP-13	no	20-100	0,036	T5	A1						WS				AF50
DP-14	no	20-80	0,036	T5	A1						WS				AF50
DP-15	no	20-80	0,036	T5	A1						WS				AF60
DP-16	no	20-80	0,036	T5	A1						WS				AF60
DP-18	no	20-100	0,039	T5	A1						WS				AF60
DP-20	no	20-100	0,039	T5	A1						WS				AF60
DP-3	no	30-210	0,039	T5	A1		DS(TH)				WS				AF5
DP-3 ALU	alu foil pure	60-200	0,039	T5	A1		DS(TH)				WS				AF5
DP-3 ALUR	alu foil rein-forced	60-200	0,039	T5	A1		DS(TH)				WS				AF5
DP-3 GVB	glass veil black	60-200	0,039	T5	A1		DS(TH)				WS				AF5
DP-3 GVN	glass veil natural white	60-200	0,039	T5	A1		DS(TH)				WS				AF5
DP-4	no	30-210	0,037	T5	A1						WS				AF5

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Product	Facing	Thick-ness range (mm)	Declared thermal conduct-ivity	Class for thick-ness	Reaction to fire	Dimen-sion stability at specified temp.	Dimension stability at specified temp.and humidity	Compressive stress or strength	Tensile strength	Point load	Short term water absorpt.	Long term water absorpt.	Dynamic stiffness	Com-pressibility	Air flow resistance
DP-4 ALU	alu foil pure	50-200	0,037	T5	A1						WS				AF5
DP-4 ALUR	alu foil rein-forced	50-200	0,037	T5	A1						WS				AF5
DP-4 GVB	glass veil black	50-200	0,037	T5	A1						WS				AF5
DP-4 GVB2	glass veil black 2-sided	100-200	0,037	T5	A1						WS				AF5
DP-4 GVN	glass veil natural white	50-200	0,037	T5	A1						WS				AF5
DP-4 GVN2	glass veil natural white 2-sided	100-200	0,037	T5	A1						WS				AF5
DP-4 GW1	glass woven cloth	50-200	0,037	T5	A1						WS				AF5
DP-4 NP	natron paper	50-200	0,037	T5	F						WS				AF5
DP-4,5	no	30-210	0,037	T5	A1						WS				AF10
DP-4,5 ALU	alu foil pure	50-200	0,037	T5	A1						WS				AF10
DP-4,5 ALUR	alu foil reinforced	50-200	0,037	T5	A1						WS				AF10
DP-4,5 GVB	glass veil black	50-200	0,037	T5	A1						WS				AF10

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DP-4,5 GVN	glass veil natural white	50-200	0,037	T5	A1						WS				AF10
DP-4,5 GW1	glass woven cloth	50-200	0,037	T5	A1						WS				AF10
DP-4,5 NP	natron paper	50-200	0,037	T5	F						WS				AF10
DP-5	no	30-210	0,035	T5	A1		DS(TH)				WS				AF10
DP-5 ALU	alu foil pure	40-200	0,035	T5	A1		DS(TH)				WS				AF10
DP-5 ALUR	alu foil reinforced	40-200	0,035	T5	A1		DS(TH)				WS				AF10
DP-5 GVB	glass veil black	40-200	0,035	T5	A1		DS(TH)				WS				AF10
DP-5 GVB2	glass veil black 2-sided	80-200	0,035	T5	A1		DS(TH)				WS				AF10
DP-5 GVN	glass veil natural white	40-200	0,035	T5	A1		DS(TH)				WS				AF10
DP-5 GVN2	glass veil natural white 2-sided	80-200	0,035	T5	A1		DS(TH)				WS				AF10
DP-5 GW1	glass woven cloth	40-200	0,035	T5	A1		DS(TH)				WS				AF10

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DP-5 GW2	glass woven cloth 2-sided	80-200	0,035	T5	A1		DS(TH)				WS				AF10
DP-5 NP	natron paper	40-200	0,035	T5	F		DS(TH)				WS				AF10
DP-6	no	30-210	0,035	T5	A1						WS				AF15
DP-6 ALU	alu foil pure	40-200	0,035	T5	A1						WS				AF15
DP-6 ALUR	alu foil reinforced	40-200	0,035	T5	A1						WS				AF15
DP-6 GVB	glass veil black	40-200	0,035	T5	A1						WS				AF15
DP-6 GVN	glass veil natural white	40-200	0,035	T5	A1						WS				AF15
DP-6 GW1	glass woven cloth	40-200	0,035	T5	A1						WS				AF15
DP-6 GW2	glass woven cloth 2-sided	70-200	0,035	T5	A1						WS				AF15
DP-6 NP	natron paper	40-200	0,035	T5	F						WS				AF15
DP-7	no	20-210	0,035	T5	A1		DS(TH)				WS				AF15
DP-7 ALU	alu foil pure	30-200	0,035	T5	A1		DS(TH)				WS				AF15

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DP-7 ALUR	alu foil reinforced	30-200	0,035	T5	A1		DS(TH)				WS				AF15
DP-7 GVB	glass veil black	30-200	0,035	T5	A1		DS(TH)				WS				AF15
DP-7 GVN	glass veil natural white	30-200	0,035	T5	A1		DS(TH)				WS				AF15
DP-7 GW1	glass woven cloth	30-200	0,035	T5	A1		DS(TH)				WS				AF15
DP-7 NP	natron paper	30-200	0,035	T5	F		DS(TH)				WS				AF15
DP-8	no	20-210	0,035	T5	A1						WS				AF15
DP-8 ALU	alu foil pure	30-200	0,035	T5	A1						WS				AF15
DP-8 ALUR	alu foil reinforced	30-200	0,035	T5	A1						WS				AF15
DP-8 GVB	glass veil black	30-200	0,035	T5	A1						WS				AF15
DP-8 GVN	glass veil natural white	30-200	0,035	T5	A1						WS				AF15
DP-8 NP	natron paper	30-200	0,035	T5	F						WS				AF15
DP-9	no	20-210	0,035	T5	A1						WS				AF25
DP-9 ALU	alu foil pure	30-200	0,035	T5	A1						WS				AF25
DP-9 ALUR	alu foil reinforced	30-200	0,035	T5	A1						WS				AF25

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DP-9 GVB	glass veil black	30-200	0,035	T5	A1						WS				AF25
DP-9 GVN	glass veil natural white	30-200	0,035	T5	A1						WS				AF25
DP-9 NP	natron paper	30-200	0,035	T5	F						WS				AF25
DRS FBBI 11460	no	60	0,039	T5	A1							WL(P)			AF60
DRS FBBI 5330	no	30	0,039	T5	A1							WL(P)			AF60
DRS FBBI 5340	no	40	0,036	T5	A1							WL(P)			AF30
DRS FBBI 6040	no	40	0,036	T5	A1							WL(P)			AF60
DRS FBBI 6340	no	40	0,036	T5	A1							WL(P)			AF60
DRS FBBI 6650	no	50	0,036	T5	A1							WL(P)			AF30

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DRS FBBI 7260	no	60	0,036	T5	A1							WL(P)			AF30
DRS FBBI 9660	no	60	0,036	T5	A1							WL(P)			AF60
FM D40 CB	no	80-100	0,037	T2	A1						WS				AF5
FM D40 CB AluR	alu foil reinforced	80-100	0,037	T2	A1						WS				AF5
FM D40 CB NP	natron paper	80-100	0,037	T2	F						WS				AF5
FP	no	30-210	0,035	T5	A1		DS(TH)	CS(10)5	TR1			WL(P)			AF15
FP GVB	glass veil black	30-200	0,035	T5	A1		DS(TH)	CS(10)5	TR1			WL(P)			AF15
FP GVN	glass veil natural white	30-200	0,035	T5	A1		DS(TH)	CS(10)5	TR1			WL(P)			AF15
FPL	no	40-200	0,035	T5	A1		DS(TH)	CS(10)0,5	TR1			WL(P)			AF10
FPL GVB	glass veil black	40-200	0,035	T5	A1		DS(TH)	CS(10)0,5	TR1			WL(P)			AF10
FPL GVN	glass veil natural white	40-200	0,035	T5	A1		DS(TH)	CS(10)0,5	TR1			WL(P)			AF10
Isoroccia 40	no	30-210	0,037	T5	A1						WS				AF5

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Isoroccia 70	no	20-210	0,035	T5	A1		DS(TH)				WS				AF15
KDB 035	no	30-160	0,035	T5	A1		DS(TH)				WS				AF10
KDB 035 AluR	alu foil reinforced	40-160	0,035	T5	A1		DS(TH)				WS				AF10
KDB D100	no	30-120	0,035	T5	A1						WS				AF25
KDB D150	no	30-80	0,036	T5	A1						WS				AF60
KDB D70	no	30-160	0,035	T5	A1		DS(TH)				WS				AF15
KDB D80	no	30-160	0,035	T5	A1						WS				AF15
KDL 035 GVB	glass veil black	40-200	0,035	T5	A1		DS(TH)				WS				AF10
KDL 035 GVN	glass veil natural white	40-200	0,035	T5	A1		DS(TH)				WS				AF10
KDL 035 GW1	glass woven cloth	40-200	0,035	T5	A1		DS(TH)				WS				AF10
KDL D100 GVB	glass veil black	30-160	0,035	T5	A1						WS				AF25
KDL D40 GVB	glass veil black	50-200	0,037	T5	A1						WS				AF5

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KDL D40 GVN	glass veil natural white	50-200	0,037	T5	A1						WS				AF5
KDL D40 GW1	glass woven cloth	50-200	0,037	T5	A1						WS				AF5
KDL D60 GVB	glass veil black	40-200	0,035	T5	A1						WS				AF15
KDL D60 GVN	glass veil natural white	40-200	0,035	T5	A1						WS				AF15
KDL D60 GW1	glass woven cloth	40-200	0,035	T5	A1						WS				AF15
KDL D90 GVB	glass veil black	30-160	0,035	T5	A1						WS				AF25
KDL D90 GVN	glass veil natural white	30-160	0,035	T5	A1						WS				AF25
KDL D90 GW1	glass woven cloth	30-160	0,035	T5	A1						WS				AF25
KP	no	50-200	0,037	T5	A1						WS				AF10
KSB 035 GVB2	glass veil black 2-sided	80-200	0,035	T5	A1		DS(TH)				WS				AF10
KSB D60 GW2	glass woven cloth 2-sided	80-200	0,035	T5	A1						WS				AF15
PBE BH	no	100-200	0,039	T5	A1						WS				AF30

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PBE BP	no	100-200	0,035	T5	A1						WS				AF25
PTP	no	50-200	0,040	T5	A1	DS(T+)	DS(TH)	CS(10)40	TR10		WS	WL(P)			
PTP-035	no	50-200	0,036	T5	A1	DS(T+)		CS(10)30	TR10			WL(P)			
PTP-LP	no	20-40	0,040	T5	A1	DS(T+)	DS(TH)	CS(10)30	TR10		WS	WL(P)			
TERMOTOP	no	50-120	0,039	T5	A1		DS(TH)	CS(10)70	TR10	PL(5) 500		WL(P)			AF60
TP	no	20	0,035	T6	A1		DS(TH)					WL(P)	SD27	CP5	AF30
TP	no	25	0,035	T6	A1		DS(TH)					WL(P)	SD27	CP5	AF30
TP	no	30	0,035	T6	A1		DS(TH)					WL(P)	SD22	CP5	AF30
TP	no	35	0,035	T6	A1		DS(TH)					WL(P)	SD22	CP5	AF30
TP	no	40	0,035	T6	A1		DS(TH)					WL(P)	SD22	CP5	AF30
TP	no	45	0,035	T6	A1		DS(TH)					WL(P)	SD22	CP5	AF30
TP	no	50	0,035	T6	A1		DS(TH)					WL(P)	SD20	CP5	AF30
TP	no	55	0,035	T6	A1		DS(TH)					WL(P)	SD20	CP5	AF30
TP	no	> 55	0,035	T6	A1		DS(TH)					WL(P)	SD20	CP5	AF30
TPS	no	20	0,036	T6	A1		DS(TH)					WL(P)	SD40	CP3	AF50
TPS	no	25	0,036	T6	A1		DS(TH)					WL(P)	SD40	CP3	AF50
TPS	no	30	0,036	T6	A1		DS(TH)					WL(P)	SD35	CP3	AF50

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TPS	no	35	0,036	T6	A1		DS(TH)					WL(P)	SD35	CP3	AF50
TPS	no	40	0,036	T6	A1		DS(TH)					WL(P)	SD30	CP3	AF50
TPS	no	45	0,036	T6	A1		DS(TH)					WL(P)	SD30	CP3	AF50
TPS	no	50	0,036	T6	A1		DS(TH)					WL(P)	SD30	CP3	AF50
TPS	no	55	0,036	T6	A1		DS(TH)					WL(P)	SD25	CP3	AF50
TPS	no	>55	0,036	T6	A1		DS(TH)					WL(P)	SD25	CP3	AF50
TPT	no	20	0,036	T7	A1		DS(TH)					WL(P)	SD40	CP2	AF60
TPT	no	25	0,036	T7	A1		DS(TH)					WL(P)	SD40	CP2	AF60
TPT	no	30	0,036	T7	A1		DS(TH)					WL(P)	SD40	CP2	AF60
TPT	no	35	0,036	T7	A1		DS(TH)					WL(P)	SD40	CP2	AF60
TPT	no	40	0,036	T7	A1		DS(TH)					WL(P)	SD35	CP2	AF60
TPT	no	50	0,036	T7	A1		DS(TH)					WL(P)	SD35	CP2	AF60
TPT	no	60	0,036	T7	A1		DS(TH)					WL(P)	SD30	CP2	AF60
TPT	no	70	0,036	T7	A1		DS(TH)					WL(P)	SD30	CP2	AF60
TPT	no	80	0,036	T7	A1		DS(TH)					WL(P)	SD30	CP2	AF60
TRB 040	no	30-100	0,040	T5	A1			CS(10)40			WS				AF60

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Product	Facing	Thick-ness range (mm)	Declared thermal conduct-ivity	Class for thick-ness	Reaction to fire	Dimen-sion stability at specified temp.	Dimension stability at specified temp.and humidity	Compressive stress or strength	Tensile strength	Point load	Short term water absorpt.	Long term water absorpt.	Dynamic stiffness	Com-pressibility	Air flow resistance
TW	no	30-210	0,039	T5	A1						WS				AF5
TWB 035	no	50-120	0,035	T5	A1		DS(TH)				WS				AF10
WP	no	30-210	0,040	T5	A1										AF5

Gräfelfing, 22 July 2010

Head of Certification Body

W. Albrecht

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