Forschungsinstitut für Wärmeschutz e.V.
München

EC Certificate of Conformity

Reg.-No.: K1-0751-CPD-093.0-01 (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), as later amended, it has been stated that the

construction product: **Knauf Insulation-**
Product according to EN 13162
(details see annex)

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

and produced in the plant: **Novi Marof / Croatia**

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

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

EN 13162:2012

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

This certificate was first issued on 28 June 2013 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, 28 June 2013

Head of Certification Body

W. Albrecht

Dipl.-Ing. (FH) Wolfgang Albrecht

Annex to EC Certificate of Conformity

Reg.-No.: K1-0751-CPD-093.0-01 (E)

construction product: **Knauf Insulation-**
Product according to EN 13162

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

and produced in the plant: **Novi Marof / Croatia**

At the date of issue of this annex, the confirmation applies to the following products for production line 1.

product	facing	form / shape	thermal conductivity subgroup	lambda D	thickness range (mm)	thickness tolerance	reaction to fire	dimensional stability 70°C/90%r.h.	short term water absorption	air flow resistivity
BL D80	-	board (block)	35E	0,035	100-250	T5	A1	-	WS	AF 15
BL D90	-	board (block)	35E	0,035	100-250	T5	A1	-	WS	AF 25
BL D95	-	board (block)	35E	0,035	100-250	T5	A1	-	WS	AF 25
BL D100	-	board (block)	35E	0,035	100-250	T5	A1	-	WS	AF 25
BL D120	-	board (block)	37E	0,037	100-250	T5	A1	-	WS	AF 30
KDB 035	-	board	35 B	0,035	30-200	T5	A1	DS(TH)	WS	AF10
KDB 035	(6)	board	35 B	0,035	40-200	T5	A1	DS(TH)	WS	AF10
KDB D30	-	board	39 A	0,039	30-210	T5	A1	DS(TH)	WS	AF5
KDB D30	(6)	board	39 A	0,039	60-200	T5	A1	DS(TH)	WS	AF5
KDB D35	-	board	39 A	0,039	30-210	T5	A1	DS(TH)	WS	AF5
KDB D35	(6)	board	39 A	0,039	60-200	T5	A1	DS(TH)	WS	AF5
KDB D40	-	board	37 A	0,037	30-210	T5	A1		WS	AF5
KDB D40	(6)	board	37 A	0,037	50-200	T5	A1		WS	AF5

product	facing	form / shape	thermal conductivity subgroup	lambda D	thickness range (mm)	thickness tolerance	reaction to fire	dimensional stability 70°C/90%r.h.	short term water absorption	air flow resistivity
KDB D50	-	board	35 B	0,035	30-210	T5	A1	DS(TH)	WS	AF10
KDB D50	(6)	board	35 B	0,035	40-200	T5	A1	DS(TH)	WS	AF10
KDB D60	-	board	35 B	0,035	30-210	T5	A1		WS	AF15
KDB D60	(6)	board	35 B	0,035	40-200	T5	A1		WS	AF15
KDB D70	-	board	35 B	0,035	30-200	T5	A1	DS(TH)	WS	AF15
KDB D70	(6)	board	35 B	0,035	30-200	T5	A1	DS(TH)	WS	AF15
KDB D80	-	board	35 B	0,035	25-200	T5	A1		WS	AF15
KDB D80	(6)	board	35 B	0,035	25-200	T5	A1		WS	AF15
KDB D90	-	board	35 B	0,035	20-210	T5	A1		WS	AF25
KDB D90	(6)	board	35 B	0,035	30-200	T5	A1		WS	AF25
KDB D100	-	board	35 B	0,035	20-210	T5	A1		WS	AF25
KDB D100	(6)	board	35 B	0,035	20-200	T5	A1		WS	AF25
KDB D120	-	board	36 C	0,036	20-160	T5	A1		WS	AF30
KDB D120	without or (6)	board	36 C	0,036	20-160	T5	A1		WS	AF30
KDB D150	without or (6)	board	36 C	0,036	20-100	T5	A1		WS	AF50
KDB D180	without or (6)	board	39 F	0,039	20-100	T5	A1		WS	AF60
FPB D150	-	board	40 H	0,040	30-160	T5	A1	DS(TH)	WS	AF5
KDL 035	-	board	35 B	0,035	40-200	T5	A1	DS(TH)	WS	AF10
KDL 035	(1),(3),(7)	board	35 B	0,035	40-200	T5	A1	DS(TH)	WS	AF10
KDL 035	(2),(4),(8)	board	35 B	0,035	80-200	T5	A1	DS(TH)	WS	AF10
KDL D35	(1),(3),(7)	board	39 A	0,039	30-200	T5	A1	DS(TH)	WS	AF5
KDL D40	(1),(3),(7)	board	37 A	0,037	50-210	T5	A1		WS	AF5
KDL D50	(1),(3),(7)	board	35 B	0,035	40-200	T5	A1	DS(TH)	WS	AF10
KDL D60	(1),(3),(7)	board	35 B	0,035	40-200	T5	A1		WS	AF15

product	facing	form / shape	thermal conductivity subgroup	lambda D	thickness range (mm)	thickness tolerance	reaction to fire	dimensional stability 70°C/90%r.h.	short term water absorption	air flow resistivity
KDL D70	(1),(3),(7)	board	35 B	0,035	25-200	T5	A1	DS(TH)	WS	AF15
KDL D80	(1),(3),(7)	board	35 B	0,035	25-200	T5	A1		WS	AF15
KDL D90	(1),(3),(7)	board	35 B	0,035	30-200	T5	A1		WS	AF25
KDL D100	(1),(3),(7)	board	35 B	0,035	20-200	T5	A1		WS	AF25
KDL D110	(1),(3),(7)	board	35 B	0,035	20-200	T5	A1		WS	AF30
KDL D120	(1),(3),(7)	board	36 C	0,036	20-160	T5	A1		WS	AF30
KDL D130	(1),(3),(7)	board	36 C	0,036	20-160	T5	A1		WS	AF30
KDL D140	(1),(3),(7)	board	36 C	0,036	20-100	T5	A1		WS	AF30
KDL D150	(1),(3),(7)	board	36 C	0,036	20-100	T5	A1		WS	AF50
KDL D180	(1),(3),(7)	board	39 F	0,039	20-100	T5	A1		WS	AF60
KSB 035	(2),(8)	board	35 B	0,035	80-200	T5	A1	DS(TH)	WS	AF10
KSB 035	(1),(7)	board	35 B	0,035	40-200	T5	A1	DS(TH)	WS	AF10
KSB 035	(2),(8)	board	35 B	0,035	80-200	T5	A1	DS(TH)	WS	AF15
KSB D40	(1),(7)	board	37 A	0,037	40-200	T5	A1	DS(TH)	WS	AF5
KSB D40	(2),(8)	board	37 A	0,037	80-200	T5	A1	DS(TH)	WS	AF5
KSB D60	(1),(7)	board	35 B	0,035	40-200	T5	A1	DS(TH)	WS	AF10
KSB D60	(2),(8)	board	35 B	0,035	80-200	T5	A1	DS(TH)	WS	AF10
KSB D70	(1),(7)	board	35 B	0,035	40-200	T5	A1	DS(TH)	WS	AF15
KSB D70	(2),(8)	board	35 B	0,035	80-200	T5	A1	DS(TH)	WS	AF15
KSB D80	(1),(7)	board	35 B	0,035	40-200	T5	A1	DS(TH)	WS	AF15
KSB D80	(2),(8)	board	35 B	0,035	80-200	T5	A1	DS(TH)	WS	AF15
KSB D90	(1),(7)	board	35 B	0,035	40-200	T5	A1	DS(TH)	WS	AF25
KSB D90	(2),(8)	board	35 B	0,035	80-200	T5	A1	DS(TH)	WS	AF25

product	facing	form / shape	thermal conductivity subgroup	lambda D	thickness range (mm)	thickness tolerance	reaction to fire	dimensional stability 70°C/90%r.h.	short term water absorption	air flow resistivity
FM D40 CB	without or (6)	mat	37 A	0,037	80-100	T2	A1		WS	AF5
FM D40 CB	(9)	mat	37 A	0,037	80-100	T2	F		WS	AF5
FM D50 CB	without or (6)	mat	35 A	0,035	60-100	T2	A1		WS	AF10
FM D50 CB	(9)	mat	35 A	0,035	60-100	T2	F		WS	AF10
FM D60 CB	without or (6)	mat	35 A	0,035	40-100	T2	A1		WS	AF15
FM D60 CB	(9)	mat	35 A	0,035	40-100	T2	F		WS	AF15

mark number	appendix of product's name	kind of facing
-		no facing
(1)	GS=VN=GVB	glas fleece - black
(2)	2GS=2VN=GVB2	glas fleece - black - on both sides
(3)	GW=VB=GVN	glas fleece - white
(4)	2GW=2VB=GVN2	glas fleece - white - on both sides

mark number	appendix of product's name	kind of facing
(5)	A=AL=ALU	Aluminium foil
(6)	ALR=A-PRP=ALUR	Aluminium foil with mesh
(7)	GW1	glass wowen cloth
(8)	GW2	glass wowen cloth - on both sides
(9)	NP	natron paper

Gräfelfing, 28 June 2013

Head of Certification Body

Dipl.-Ing. (FH) Wolfgang Albrecht