

## EC Certificate of Conformity

Reg.-No.: K1-0751-CPD-146.0-01

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 Nobasil / Tervol / Termotoit**  
mineral wool products according to EN 13162  
(details see annex)

placed on the market by: **Knauf Insulation, s.r.o.**  
96814 Nová Baňa / Slovakia

and produced in the plant: **Nová Baňa**

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 für das Bauwesen, Braunschweig - Identification 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

**EN 13162:2008**

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

This certificate was first issued on 07 May 2003 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, 25 June 2013

Head of Certification Body



Dipl.-Ing. (FH) Wolfgang Albrecht

## Annex to EC Certificate of Conformity

Reg.-No.: K1-0751-CPD-146.0-01

construction product: **Knauf Insulation Nobasil / Tervol / Termotoit**  
mineral wool products according to EN 13162

placed on the market by: **Knauf Insulation, s.r.o.**  
96814 Nová Baňa / Slovakia

and produced in the plant: **Nová Baňa**

At the date of issue of the annex, the attestation of conformity relates on the following products without facings:

Product name	Line	Thickness range mm	Thermal conductivity $\lambda_D$ W/mK	Reaction to fire class	Type code according to EN 13 162
MPN	1	40-200	0,038	A1	MW-EN 13162-T5-DS(TH)-AFr5
MPE	1	30-200	0,035	A1	MW-EN 13162-T5-DS(TH)-AFr5
MPS	1	30-200	0,035	A1	MW-EN 13162-T5-DS(TH)-WS-WL(P)-AFr7
FRV GVB, GVN	1	30-200	0,035	A1	MW-EN 13162-T5-DS(TH)-CS(10)3-TR1-WS-WL(P)-AW0,90
ADN	1	20-200	0,035	A1	MW-EN 13162-T5-DS(TH)-TR1-WS-WL(P)-AFr7-AW0,90
ADE	1	40-100	0,035	A1	MW-EN 13162-T5-DS(TH)-TR1-WS-WL(P)-AFr7-AW0,90
FRN	1	40-200	0,037	A1	MW-EN 13162-T5-DS(TH)-CS(10)2-TR1-WS-WL(P)-MU1-AFr5
FRE	1	30-200	0,035	A1	MW-EN 13162-T5-DS(TH)-CS(10)3-TR2-WS-WL(P)-MU1-AFr7
FRE-P	1	80-100	0,035	A1	MW-EN 13162-T5-DS(TH)-CS(10)3-TR2-WS-WL(P)-MU1-AFr7
FRK	1	50-200	0,035	A1	MW-EN 13162-T5-DS(TH)-CS(10)2-TR1-WS-WL(P)-MU1-AFr7
DDP-K	1	20-30	0,037	A1	MW-EN 13162-T5
		40-200	0,037	A1	MW-EN 13162-T5-CS(10)30-TR7,5-PL(5)300-WS-WL(P)

Product name	Line	Thickness range	Thermal conductivity	Reaction to fire class	Type code according to EN 13 162
		mm	$\lambda_D$ W/mK		
DDP B	1	20-40	0,037	A1	MW-EN 13162-T5-DS(TH)
		50-160	0,037	A1	MW-EN 13162-T5-DS(TH)-CS(10)25-TR7,5
FKD RS	1	20-30	0,039	A1	MW-EN 13162-T5-DS(TH)-WS-WL(P)
		40	0,039		MW-EN 13162-T5-DS(TH)-CS(10)40-TR15-WS-WL(P)-MU1
FKD RS C1	1	20-40	0,037	A1	MW-EN 13162-T5-DS(TH)-WS-WL(P)-MU1
FKD RS C2	1	20-40	0,037	A1	MW-EN 13162-T5-DS(TH)-WS-WL(P)-MU1
FKD	1	40-245	0,038	A1	MW-EN 13162-T5-DS(TH)-CS(10)40-TR15-WS-WL(P)-MU1
FKD C1	1	40-160	0,038	A1	MW-EN 13162-T5-DS(TH)-CS(10)40-TR15-WS-WL(P)-MU1
FKD C2	1	40-160	0,038	A1	MW-EN 13162-T5-DS(TH)-CS(10)40-TR15-WS-WL(P)-MU1
FKD S	1	50-245	0,036	A1	MW-EN 13162-T5-DS(TH)-CS(10)30-TR10-WS-WL(P)-MU1
FKD S C1	1	50-245	0,036	A1	MW-EN 13162-T5-DS(TH)-CS(10)30-TR10-WS-WL(P)-MU1
FKD S C2	1	50-245	0,036	A1	MW-EN 13162-T5-DS(TH)-CS(10)30-TR10-WS-WL(P)-MU1
FKD N	1	50-245	0,035	A1	MW-EN 13162-T5-DS(TH)-CS(10)25-TR7,5-WS-WL(P)
FKD N C1	1	50-245	0,035	A1	MW-EN 13162-T5-DS(TH)-CS(10)25-TR7,5-WS-WL(P)
FKD N C2	1	50-245	0,035	A1	MW-EN 13162-T5-DS(TH)-CS(10)25-TR7,5-WS-WL(P)
OUT-Therm	1	50-245	0,035	A1	MW-EN 13162-T5-DS(TH)-CS(10)25-TR7,5-WS-WL(P)
OUT-Therm C1	1	50-245	0,035	A1	MW-EN 13162-T5-DS(TH)-CS(10)25-TR7,5-WS-WL(P)
OUT-Therm C2	1	50-245	0,035	A1	MW-EN 13162-T5-DS(TH)-CS(10)25-TR7,5-WS-WL(P)
DDP-N	1	40-200	0,038	A1	MW-EN 13162-T5-CS(10)40-TR7,5-PL(5)350-WS-WL(P)
DDP-U	1	70-160	0,039	A1	MW-EN 13162-T5-DS(T+)-DS(TH)-CS(10)60-TR10-PL(5)550-WS-WL(P)
DDP	1	40-120	0,040	A1	MW-EN 13162-T5-DS(T+)-DS(TH)-CS(10)70-TR10-PL(5)650-WS-WL(P)
DDP BIT	1	40-120	0,040	E	MW-EN 13162-T5-DS(T+)-DS(TH)-CS(10)70-TR10-PL(5)650-WS-WL(P)
DDP BITF	1	40-120	0,040	E	MW-EN 13162-T5-DS(T+)-DS(TH)-CS(10)70-TR10-PL(5)650-WS-WL(P)
PTN	1	20	0,035	A1	MW-EN 13162-T6-DS(TH)-CP4-SD25-WS-WL(P)
		25-30	0,035		MW-EN 13162-T6-DS(TH)-CP4-SD20-WS-WL(P)
		35-40	0,035		MW-EN 13162-T6-DS(TH)-CP4-SD15-WS-WL(P)
		45-65	0,035		MW-EN 13162-T6-DS(TH)-CP4-SD10-WS-WL(P)

Product name	Line	Thickness range mm	Thermal conductivity $\lambda_D$ W/mK	Reaction to fire class	Type code according to EN 13 162
PTE	1	20	0,036	A1	MW-EN 13162-T6-DS(TH)-CP3-SD30-WS-WL(P)
		25-30	0,036		MW-EN 13162-T6-DS(TH)-CP3-SD25-WS-WL(P)
		35-40	0,036		MW-EN 13162-T6-DS(TH)-CP3-SD20-WS-WL(P)
		50-70	0,036		MW-EN 13162-T6-DS(TH)-CP3-SD15-WS-WL(P)
PTS	1	20	0,039	A1	MW-EN 13162-T7-DS(TH)-CP2-SD40-WS-WL(P)
		25	0,039		MW-EN 13162-T7-DS(TH)-CP2-SD35-WS-WL(P)
		30	0,039		MW-EN 13162-T7-DS(TH)-CP2-SD30-WS-WL(P)
		40	0,039		MW-EN 13162-T7-DS(TH)-CP2-SD25-WS-WL(P)
		50-70	0,039		MW-EN 13162-T7-DS(TH)-CP2-SD20-WS-WL(P)
		80	0,039		MW-EN 13162-T7-DS(TH)-CP2-SD15-WS-WL(P)
FKD	2	40-200	0,038	A1	MW-EN 13162-T5-DS(TH)-CS(10)40-TR15-WS-WL(P)-MU1
FKD C1	2	40-200	0,038	A1	MW-EN 13162-T5-DS(TH)-CS(10)40-TR15-WS-WL(P)-MU1
FKD C2	2	40-200	0,038	A1	MW-EN 13162-T5-DS(TH)-CS(10)40-TR15-WS-WL(P)-MU1
FKD S	2	50-220	0,036	A1	MW-EN 13162-T5-DS(TH)-CS(10)30-TR10-WS-WL(P)-MU1
FKD S C1	2	50-220	0,036	A1	MW-EN 13162-T5-DS(TH)-CS(10)30-TR10-WS-WL(P)-MU1
FKD S C2	2	50-220	0,036	A1	MW-EN 13162-T5-DS(TH)-CS(10)30-TR10-WS-WL(P)-MU1
FKL C1	2	20-30	0,040	A1	MW-EN 13162-T5-DS(TH)-WS-WL(P)-MU1
		40-300			MW-EN 13162-T5-DS(TH)-TR100-WS-WL(P)-MU1
FKL C2	2	20-30	0,040	A1	MW-EN 13162-T5-DS(TH)-WS-WL(P)-MU1
		40-300			MW-EN 13162-T5-DS(TH)-TR100-WS-WL(P)-MU1
FKL, FP PL	2	20-30	0,040	A1	MW-EN 13162-T5-DS(TH)-WS-WL(P)-MU1
		40-300			MW-EN 13162-T5-DS(TH)-TR100-WS-WL(P)-MU1
DDP-B	1	20-40	0,037	A1	MW-EN 13162-T5-DS(TH)
		50-160	0,037		MW-EN 13162-T5-DS(TH)-CS(10)25-TR7,5
DDP-K	2	70-200	0,037	A1	MW-EN 13162-T5-CS(10)30-TR7,5-PL(5)300-WS-WL(P)
DDP-N	2	40-200	0,038	A1	MW-EN 13162-T5-CS(10)40-TR7,5-PL(5)350-WS-WL(P)
DDP-RT	2	30-40	0,039	A1	MW-EN 13162-T5-DS(T+)-DS(TH)-CS(10)50-TR10-PL(5)500-WS-WL(P)
		50-200	0,038		MW-EN 13162-T5-DS(T+)-DS(TH)-CS(10)50-TR10-PL(5)500-WS-WL(P)

Product name	Line	Thickness range mm	Thermal conductivity $\lambda_D$ W/mK	Reaction to fire class	Type code according to EN 13 162
DDP-U	2	50-200	0,039	A1	MW-EN 13162-T5-DS(T+)-DS(TH)-CS(10)60-TR10-PL(5)550-WS-WL(P)
DDP	2	60-180	0,040	A1	MW-EN 13162-T5-DS(T+)-DS(TH)-CS(10)70-TR10-PL(5)650-WS-WL(P)
DDP PLUS	2	40-100	0,040	A1	MW-EN 13162-T5-DS(T+)-DS(TH)-CS(10)80-TR15-PL(5)700-WS-WL(P)
DDP-RT BIT	2	30-40	0,039	E	MW-EN 13162-T5-DS(T+)-DS(TH)-CS(10)50-TR10-PL(5)500-WS-WL(P)
		50-180	0,038		MW-EN 13162-T5-DS(T+)-DS(TH)-CS(10)50-TR10-PL(5)500-WS-WL(P)
DDP-RT BITF	2	30-40	0,039	E	MW-EN 13162-T5-DS(T+)-DS(TH)-CS(10)50-TR10-PL(5)500-WS-WL(P)
		50-140	0,038		MW-EN 13162-T5-DS(T+)-DS(TH)-CS(10)50-TR10-PL(5)500-WS-WL(P)
DDP BIT	2	60-180	0,040	E	MW-EN 13162-T5-DS(T+)-DS(TH)-CS(10)70-TR10-PL(5)650-WS-WL(P)
DDP BITF	2	60-140	0,040	E	MW-EN 13162-T5-DS(T+)-DS(TH)-CS(10)70-TR10-PL(5)650-WS-WL(P)
PVT	2	20-50	0,040	A1	MW-EN 13162-T5-DS(TH)-CS(10)50-TR10-WS-WL(P)
		60-120			MW-EN 13162-T5-DS(TH)-CS(10)60-TR10-WS-WL(P)
Termotoit RT	2	30-40	0,039	A1	MW-EN 13162-T5-DS(T+)-DS(TH)-CS(10)50-TR10-PL(5)500-WS-WL(P)
		50-160	0,038	A1	MW-EN 13162-T5-DS(T+)-DS(TH)-CS(10)50-TR10-PL(5)500-WS-WL(P)
Termotoit RT BT	2	30-40	0,039	E	MW-EN 13162-T5-DS(T+)-DS(TH)-CS(10)50-TR10-PL(5)500-WS-WL(P)
		50-160	0,038	E	MW-EN 13162-T5-DS(T+)-DS(TH)-CS(10)50-TR10-PL(5)500-WS-WL(P)
CL C1	2	20-30	0,040	A1	MW-EN 13162-T5-DS(TH)-WS-WL(P)-MU1
		40-300			MW-EN 13162-T5-DS(TH)-TR100-WS-WL(P)-MU1
CL C2	2	20-30	0,040	A1	MW-EN 13162-T5-DS(TH)-WS-WL(P)-MU1
		40-300			MW-EN 13162-T5-DS(TH)-TR100-WS-WL(P)-MU1
CLT C1	2	20-30	0,040	A1	MW-EN 13162-T5-DS(TH)-WS-WL(P)-MU1
		40-300			MW-EN 13162-T5-DS(TH)-TR100-WS-WL(P)-MU1
CLT C2	2	20-30	0,040	A1	MW-EN 13162-T5-DS(TH)-WS-WL(P)-MU1
		40-300			MW-EN 13162-T5-DS(TH)-TR100-WS-WL(P)-MU1

Gräfelfing, 25 June 2013

Head of Certification Body



Dipl.-Ing. (FH) Wolfgang Albrecht

