Forschungsinstitut für Wärmeschutz e.V. München
Notified body No.0751

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No.: 0751-CPR-233.0-01

In compliance with *Regulation 305/2011/EU of the European Parliament and of the Council of 09 March 2011* (the Construction Products Regulation or CPR), this certificate applies to the construction product

Knauf Insulation mineral wool products
Thermal insulation products for buildings
factory made mineral wool products acc. EN 13162:2012+A1:2015

(details see annex)
produced by or for

Knauf Insulation
Industrijsko naselje Belo Polje bb, RS, 17530
SURDULICA, Serbien

and produced in the manufacturing plant(s)

Knauf Insulation, d.o.o - Surdulica
17530 Surdulica

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standards(s)

EN 13162:2012+A1:2015

under **System 1** are applied and that

the products fulfil all the prescribed requirements set out above.

This certificate was first issued on 28.02.2017 will be annually confirmed after successful audit and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly (but not longer than 31.12.2021).

Gräfelfing, 19 December 2019

Dr. Andreas Schmeller
Certification Body

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Version: 01022018

ANNEX TO CERTIFICATE OF CONSTANCY OF PERFORMANCE

No.: 0751-CPR-233-01 Annex A Line 1

Factory: Knauf Insulation, d.o.o - Surdulica, 17530 Surdulica

Construction product(s): factory made mineral wool products acc. EN 13162:2012+A1:2015 with ECOSE® Technology

Intended use: **Thermal insulation products for buildings**

Level(s) or class(es) Reaction to fire: for uses subject to regulations of reaction to fire A1, A2, B, C. Products for which a clearly identifiable stage in the production process results in an improvement in the reaction to fire classification.

Attestation of conformity system: 1

Table A1-1: Description of the products - standard building products with ECOSE

No.	Product			Classification				
	Name	Description	Thickness range mm	Reaction to fire class	Facing	Density Range kg/m³	Loss of ignition mass%	Thickness range mm
1	NaturBoard ECO	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
2	NaturBoard FIT	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
3	NaturBoard FIT-G	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
4	NaturBoard FIT PLUS	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
5	NaturBoard FIT-G PLUS	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
6	NaturBoard VENTI	board	20-200	A1	(2)	≤ 187	≤ 4.6	any
7	SmartFacade Rock 035	board	20-200	A1	(2)	≤ 187	≤ 4.6	any
8	NaturBoard VENTI	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
9	SmartFacade Rock 035	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
10	NaturBoard VENTACUSTO	board	20-200	A1	(1), (2), (3)	≤ 187	≤ 4.6	any
11	SmartAcoustik 7	board	20-200	A1	(1), (2), (3)	≤ 187	≤ 4.6	any
12	NaturBoard VENTACUSTO	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
13	SmartAcoustik 7	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
14	NaturBoard VENTI PLUS	board	20-200	A1	(1), (2), (3)	≤ 187	≤ 4.6	any
15	NaturBoard VENTI PLUS	board	20-200	A1	(-)	≤ 187	≤ 4.6	any

(-) no facing/coating (classification report no. CR P 1037/15-530-4)

(2) GVB = glass veil black (classification report no. CR P 1037/15-530-4)

(1) GVN = glass veil white (classification report no. CR P 1037/15-530-4)

(3) ALU = aluminum foil (classification report no. CR P 1037/15-530-4)

Note: All products can have the following suffix: ECOSE, with ECOSE Technology, with E-Technology

Table A1-1: Description of the products - standard building products with ECOSE (continued)

No.	Product			Classification				
	Name	Description	Thickness range mm	Reaction to fire class	Facing	Density Range kg/m³	Loss of ignition mass%	Thickness range mm
16	NaturBoard TF	board	20-200	A1	(1), (2), (3)	≤ 187	≤ 4.6	any
17	NaturBoard TF	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
18	NaturBoard POD	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
19	SmartFloor TP	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
20	NaturBoard POD STANDARD	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
21	NaturBoard POD PLUS	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
22	NaturBoard POD EXTRA	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
23	SmartFloor TP-ST	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
24	FKD	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
25	FKD-S	board	30-200	A1	(-)	≤ 187	≤ 4.6	any
26	FKD-S	board	30-200	A1	(1), (2), (3)	≤ 187	≤ 4.6	any
27	FKD-S Thermal	board	40-200	A1	(-)	≤ 187	≤ 4.6	any
28	FKD-S Thermal	board	40-200	A1	(1), (2), (3)	≤ 187	≤ 4.6	any
29	FKD-N	board	80-200	A1	(-)	≤ 187	≤ 4.6	any
30	FKD-N Thermal	board	80-200	A1	(-)	≤ 187	≤ 4.6	any
31	FKD-N Thermal 2	double density board	80-200	A1	(-)	≤ 187	≤ 4.6	any
32	FKL Thermal	lamella	40-300	A1	(-)	≤ 187	≤ 4.6	any
33	SmartWall N	board	80-200	A1	(-)	≤ 187	≤ 4.6	any
34	SmartWall L	lamella	40-300	A1	(-)	≤ 187	≤ 4.6	any
35	SmartWall S	board	40-200	A1	(-)	≤ 187	≤ 4.6	any
36	SmartWall S	board	40-200	A1	(1), (2), (3)	≤ 187	≤ 4.6	any
37	DDP 2U	board	50-200	A1	(-)	≤ 187	≤ 4.6	any
38	DDP 2	board	80-200	A1	(-)	≤ 187	≤ 4.6	any
39	DDP X	board	50-80	A1	(-)	≤ 187	≤ 4.6	any
40	SmartRoof B Duo	board	100-140	A1	(-)	≤ 187	≤ 4.6	any
41	SmartRoof Top	board	40-100	A1	(-)	≤ 187	≤ 4.6	any
42	SmartRoof Norm	board	60-140	A1	(-)	≤ 187	≤ 4.6	any
43	SmartRoof Thermal	board	80-200	A1	(-)	≤ 187	≤ 4.6	any
44	SmartRoof Base	board	80-200	A1	(-)	≤ 187	≤ 4.6	any
45	SmartRoof Eco	board	80-200	A1	(-)	≤ 187	≤ 4.6	any
46	SmartRoof Thermal 2	double density board	80-200	A1	(-)	≤ 187	≤ 4.6	any
47	SmartRoof Base 2	double density board	80-200	A1	(-)	≤ 187	≤ 4.6	any
48	SmartRoof Top CTF1	cut to fall boards (one slope 0,5-10%)	20-200	A1	(-)	≤ 187	≤ 4.6	any
49	SmartRoof Top CTF2	cut to fall boards (one slope 0,5-10%)	20-200	A1	(-)	≤ 187	≤ 4.6	any

(-) no facing/coating (classification report no. CR P 1037/15-530-4)

(1) GVN = glass veil white (classification report no. CR P 1037/15-530-4)

(2) GVB = glass veil black (classification report no. CR P 1037/15-530-4)

(3) ALU = aluminum foil (classification report no. CR P 1037/15-530-4)

Note: All products can have the following suffix: ECOSE, with ECOSE Technology, with E-Technology

Table A1-1: Description of the products - standard building products with ECOSE (continued)

No.	Product			Classification				
	Name	Description	Thickness range mm	Reaction to fire class	Facing	Density Range kg/m³	Loss of ignition mass%	Thickness range mm
50	BL D80	board	140-210	A1	(-)	≤ 187	≤ 4.6	any
51	Panneaux Cheminee DP-9 Alu	board	20-200	A1	(3)	≤ 187	≤ 4.6	any
52	Chimenea S DP 10 Alu	board	20-200	A1	(3)	≤ 187	≤ 4.6	any
53	EXPERT CFB 036	board	60-150	A1	(-)	≤ 187	≤ 4.6	any
54	EXPERT CHB 035 Alu	board	30	A1	(3)	≤ 187	≤ 4.6	any
55	EXPERT LRB 038	board	50-100	A1	(-)	≤ 187	≤ 4.6	any
56	EXPERT LRB 039	board	20-40	A1	(-)	≤ 187	≤ 4.6	any
57	EXPERT CFB 035	board	60-150	A1	(-)	≤ 187	≤ 4.6	any

(-) no facing/coating (classification report no. CR P 1037/15-530-4)
(2) GVB = glass veil black (classification report no. CR P 1037/15-530-4)
(1) GVN = glass veil white (classification report no. CR P 1037/15-530-4)
(3) ALU = aluminum foil (classification report no. CR P 1037/15-530-4)
Note: All products can have the following suffix: ECOSE, with ECOSE Technology, with E-Technology

Gräfelfing, 19 December 2019

Dr. Andreas Schmeller
Certification Body

ANNEX TO CERTIFICATE OF CONSTANCY OF PERFORMANCE

No.: 0751-CPR-233-01 Annex B Line 1

Factory: Knauf Insulation, d.o.o - Surdulica, 17530 Surdulica

Construction product(s): factory made mineral wool products acc. EN 13162:2012+A1:2015 with conventional binder

Intended use: **Thermal insulation products for buildings**

Level(s) or class(es) Reaction to fire: for uses subject to regulations of reaction to fire A1, A2, B, C. Products for which a clearly identifiable stage in the production process results in an improvement in the reaction to fire classification.

Attestation of conformity system: 1

Table B1-1: Description of the products - standard building products with conventional binder

No.	Product			Classification				
	Name	Description	Thickness range mm	Reaction to fire class	Facing	Density Range kg/m³	Loss of ignition mass%	Thickness range mm
1	FKD	board	20-200	A1	(-)	≤ 190	≤ 4.6	any
2	FKD-S	board	30-200	A1	(-)	≤ 190	≤ 4.6	any
3	FKD-S	board	30-200	A1	(3)	≤ 100	≤ 3,8	any
4	FKD-S Thermal	board	30-200	A1	(-)	≤ 190	≤ 4.6	any
5	FKD-S Thermal	board	30-200	A1	(3)	≤ 100	≤ 3,8	any
6	FKD-N	board	80-200	A1	(-)	≤ 190	≤ 4.6	any
7	FKD-N Thermal	board	80-200	A1	(-)	≤ 190	≤ 4.6	any
8	FKL Thermal	lamella	40-300	A1	(-)	≤ 190	≤ 4.6	any
9	SmartWall N	board	80-200	A1	(-)	≤ 190	≤ 4.6	any
10	SmartWall L	lamella	40-300	A1	(-)	≤ 190	≤ 4.6	any
11	SmartWall S	board	40-200	A1	(-)	≤ 190	≤ 4.6	any
12	SmartWall S	board	40-200	A1	(3)	≤ 100	≤ 3,8	any
13	DDP 2U	board	50-200	A1	(-)	≤ 190	≤ 4.6	any
14	DDP 2	board	80-200	A1	(-)	≤ 190	≤ 4.6	any
15	DDP X	board	50-100	A1	(-)	≤ 190	≤ 4.6	any

(-) no facing/coating (classification report no. KB-Hoch-130928-2)

(3) ALU = aluminum foil (classification report no. KB-Hoch-130924)

Table B1-1: Description of the products - standard building products with conventional binder (continued)

No.	Product			Classification				
	Name	Description	Thickness range mm	Reaction to fire class	Facing	Density Range kg/m³	Loss of ignition mass%	Thickness range mm
16	Termotop	board	40-100	A1	(-)	≤ 190	≤ 4.6	any
17	Smart Roof Top	board	40-180	A1	(-)	≤ 190	≤ 4.6	any
18	Smart Roof Norm	board	50-180	A1	(-)	≤ 190	≤ 4.6	any
19	Smart Roof Thermal	board	40-200	A1	(-)	≤ 190	≤ 4.6	any
20	Smart Roof Base	board	40-200	A1	(-)	≤ 190	≤ 4.6	any
21	Smart Roof Eco	board	80-200	A1	(-)	≤ 190	≤ 4.6	any
22	SmartRoof Thermal 2	double density board	80-200	A1	(-)	≤ 190	≤ 4.6	any
23	SmartRoof Base 2	double density board	80-200	A1	(-)	≤ 190	≤ 4.6	any
24	SmartRoof Top CTF1	cut to fall boards (one slope 0,5-10%)	20 - 200	A1	(-)	≤ 190	≤ 4.6	any
25	SmartRoof Top CTF2	cut to fall boards (one slope 0,5-10%)	20 - 200	A1	(-)	≤ 190	≤ 4.6	any
26	SmartRoof B Duo	double density board	100 - 140	A1	(-)	≤ 190	≤ 4.6	any
27	DF (insteaad of former DL)	board	60 - 200	A1	(-)	≤ 190	≤ 4.6	any
28	BL D80	board	65 - 230	A1	(-)	≤ 190	≤ 4.6	any
29	BL D90	board	65 - 230	A1	(-)	≤ 190	≤ 4.6	any
30	BL D70	board	65 - 230	A1	(-)	≤ 190	≤ 4.6	any
31	BL D120	board	65 - 230	A1	(-)	≤ 190	≤ 4.6	any
32	BL D150	board	65 - 200	A1	(-)	≤ 190	≤ 4.6	any
33	Panneaux Cheminee DP-9 Alu	board	20-200	A1	(3)	≤ 100	≤ 3,8	any
34	Chimenea S DP 10 Alu	board	20-200	A1	(3)	≤ 100	≤ 3,8	any
35	EXPERT CFB 036	board	60-150	A1	(-)	≤ 190	≤ 4.6	any
36	EXPERT CHB 035 Alu	board	30	A1	(3)	≤ 100	≤ 3,8	any
37	EXPERT LRB 038	board	50-100	A1	(-)	≤ 190	≤ 4.6	any
38	EXPERT LRB 039	board	20-40	A1	(-)	≤ 190	≤ 4.6	any
39	EXPERT CFB 035	board	60-150	A1	(-)	≤ 190	≤ 4.6	any

(-) no facing/coating (classification report no. KB-Hoch-130928-2)

(3) ALU = aluminum foil (classification report no. KB-Hoch-130924)

Gräfelfing, 19 December 2019

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Dr. Andreas Schmeller

Certification Body

ANNEX TO CERTIFICATE OF CONSTANCY OF PERFORMANCE

No.: 0751-CPR-233-01 Annex C Line 1

Factory: Knauf Insulation, d.o.o - Surdulica, 17530 Surdulica

Construction product(s): factory made mineral wool products acc. EN 13162:2012+A1:2015 with ECOSE® Technology

Intended use: **Thermal insulation products for buildings**

Level(s) or class(es) Reaction to fire: for uses subject to regulations of reaction to fire A1, A2, B, C. Products for which a clearly identifiable stage in the production process results in an improvement in the reaction to fire classification.

Attestation of conformity system: 1

Table C1-1: Description of the products OEM products with ECOSE

No.	Product			Classification				
	Name	Description	Thickness range mm	Reaction to fire class	Facing	Density Range kg/m³	Loss of ignition mass%	Thickness range mm
1	Board D3	board	30-220	A1	(-)	≤ 187	≤ 4.6	any
2	Board D4	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
3	Board D5	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
4	Board D6	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
5	Board D7	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
6	Board D8	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
7	Board D9	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
8	Board D10	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
9	Board D11	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
10	Board D12	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
11	Board D13	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
12	Board D14	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
13	Board D15	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
14	Board D16	board	20-180	A1	(-)	≤ 187	≤ 4.6	any
15	Board D17	board	20-170	A1	(-)	≤ 187	≤ 4.6	any

(-) no facing/coating (classification report no. CR P 1037/15-530-4)

(1) GVN = glass veil white (classification report no. CR P 1037/15-530-4)

(2) GVB = glass veil black (classification report no. CR P 1037/15-530-4)

(3) ALU = aluminum foil (classification report no. CR P 1037/15-530-4)

Note: All products can have the following suffix: ECOSE, with ECOSE Technology, with E-Technology

Note: OEM product names have always one of the following prefixes: PBE, DRS, CHM S, CHM C, TSP, DAP, AUT, RSB, MCH, MCH S, CNF, CNF E or SPA

Table C1-1: Description of the products - OEM products with ECOSE (continued)

No.	Product			Classification				
	Name	Description	Thickness range mm	Reaction to fire class	Facing	Density Range kg/m³	Loss of ignition mass%	Thickness range mm
16	Board D18	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
17	Board D19	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
18	Board Basic	board	20-200	A1	(-)	≤ 187	≤ 4.6	any
19	Board Premium	board	30-200	A1	(-)	≤ 187	≤ 4.6	any
20	Board High	board	30-200	A1	(1), (2), (3)	≤ 187	≤ 4.6	any
21	Board Supreme	board	40-200	A1	(-)	≤ 187	≤ 4.6	any
22	Board Special	board	40-200	A1	(1), (2), (3)	≤ 187	≤ 4.6	any
23	Lamella Basic	lamella	80-200	A1	(-)	≤ 187	≤ 4.6	any
24	Lamella Premium	lamella	80-200	A1	(-)	≤ 187	≤ 4.6	any
25	Lamella High	lamella	80-200	A1	(-)	≤ 187	≤ 4.6	any
26	Lamella Supreme	lamella	40-300	A1	(-)	≤ 187	≤ 4.6	any

(-) no facing/coating (classification report no CR P 1037/15-530-4)

(2) GVB = glass veil black (classification report no. CR P 1037/15-530-4)

(1) GVN = glass veil white (classification report no. CR P 1037/15-530-4)

(3) ALU = aluminum foil (classification report no. CR P 1037/15-530-4)

Note: All products can have the following suffix: ECOSE, with ECOSE Technology, with E-Technology

Note: OEM product names have always one of the following prefixes: PBE, DRS, CHM S, CHM C, TSP, DAP, AUT, RSB, MCH, MCH S, CNF, CNF E or SPA

Gräfelfing, 19 December 2019

Dr. Andreas Schmeller
Certification Body

ANNEX TO CERTIFICATE OF CONSTANCY OF PERFORMANCE

No.: 0751-CPR-233-01 Annex D Line 1

Factory: Knauf Insulation, d.o.o - Surdulica, 17530 Surdulica

Construction product(s): factory made mineral wool products acc. EN 13162:2012+A1:2015 with conventional binder

Intended use: **Thermal insulation products for buildings**

Level(s) or class(es) Reaction to fire: for uses subject to regulations of reaction to fire A1, A2, B, C. Products for which a clearly identifiable stage in the production process results in an improvement in the reaction to fire classification.

Attestation of conformity system: 1

Table D1-1: Description of the products - OEM products with conventional binder

No.	Product			Classification				
	Name	Description	Thickness range mm	Reaction to fire class	Facing	Density Range kg/m³	Loss of ignition mass%	Thickness range mm
1	Board D3	board	20-200	A1	(-)	≤ 190	≤ 4.6	any
2	Board D4	board	30-200	A1	(-)	≤ 190	≤ 4.6	any
3	Board D5	board	30-200	A1	(-)	≤ 190	≤ 4.6	any
4	Board D6	board	30-200	A1	(-)	≤ 190	≤ 4.6	any
5	Board D7	board	30-200	A1	(-)	≤ 190	≤ 4.6	any
6	Board D8	board	80-200	A1	(-)	≤ 190	≤ 4.6	any
7	Board D9	board	80-200	A1	(-)	≤ 190	≤ 4.6	any
8	Board D10	board	40-300	A1	(-)	≤ 190	≤ 4.6	any
9	Board D11	board	80-200	A1	(-)	≤ 190	≤ 4.6	any
10	Board D12	board	40-300	A1	(-)	≤ 190	≤ 4.6	any
11	Board D13	board	40-200	A1	(-)	≤ 190	≤ 4.6	any
12	Board D14	board	40-200	A1	(-)	≤ 190	≤ 4.6	any
13	Board D15	board	50-200	A1	(-)	≤ 190	≤ 4.6	any
14	Board D16	board	80-200	A1	(-)	≤ 190	≤ 4.6	any
15	Board D17	board	50-100	A1	(-)	≤ 190	≤ 4.6	any

(-) no facing/coating (classification report no. KB-Hoch-130928-2)

Note: OEM Product names has always one of the following prefixes - PBE, DRS, CHM S, CHM C, TSP, DAP, AUT, RSB, MCH, MCH S, CNF, CNF E and SPA

Table D1-1: Description of the products - OEM products with conventional binder (continued)

No.	Product			Classification				
	Name	Description	Thickness range mm	Reaction to fire class	Facing	Density Range kg/m³	Loss of ignition mass%	Thickness range mm
16	Board D18	board	40-100	A1	(-)	≤ 190	≤ 4.6	any
17	Board D19	board	40-180	A1	(-)	≤ 190	≤ 4.6	any
18	Fire Board D15,5	board	50-180	A1	(-)	≤ 190	≤ 4.6	any
19	Fire Board D16	board	40-200	A1	(-)	≤ 190	≤ 4.6	any
20	Fire Board D16,5	board	40-200	A1	(-)	≤ 190	≤ 4.6	any
21	Fire Board D17	board	80-200	A1	(-)	≤ 190	≤ 4.6	any
22	Fire Board D17,5	board	80-200	A1	(-)	≤ 190	≤ 4.6	any
23	Fire Board D18	board	80-200	A1	(-)	≤ 190	≤ 4.6	any
24	Fire Board D18,5	board	20 - 200	A1	(-)	≤ 190	≤ 4.6	any
25	Board Basic	board	20 - 200	A1	(-)	≤ 190	≤ 4.6	any
26	Board Premium	board	100 - 140	A1	(-)	≤ 190	≤ 4.6	any
27	Board High	board	60 - 200	A1	(-)	≤ 190	≤ 4.6	any
28	Board Supreme	board	65 - 230	A1	(-)	≤ 190	≤ 4.6	any
29	Board Special	board	65 - 230	A1	(-)	≤ 190	≤ 4.6	any
30	Lamella Basic	lamella	65 - 230	A1	(-)	≤ 190	≤ 4.6	any
31	Lamella Premium	lamella	65 - 230	A1	(-)	≤ 190	≤ 4.6	any
32	Lamella High	lamella	65 - 200	A1	(-)	≤ 190	≤ 4.6	any
33	Lamella Supreme	lamella	20-200	A1	(-)	≤ 190	≤ 4.6	any

(-) no facing/coating (classification report no. KB-Hoch-130928-2)

Note: OEM Product names has always one of the following prefixes - PBE, DRS, CHM S, CHM C, TSP, DAP, AUT, RSB, MCH, MCH S, CNF, CNF E and SPA

Gräfelfing, 19 December 2019

Dr. Andreas Schmeller
Certification Body

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