



Centrum stavebního inženýrství a.s. Praha
Centre of Building Construction Engineering Prague
Akreditované zkušební laboratoře, Autorizovaná osoba,
Oznámený subjekt, Certifikační orgán
Accredited Test Laboratories, Authorised Body,
Notified Body, Certification Body
Pražská 16, 102 00 Praha 10



CERTIFICATE OF CONSTANCY OF PERFORMANCE

1390 – CPR – 0313/11/P

In compliance with the Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

Factory made mineral wool products used for building equipment and industrial installations

(trade marks and type codes according to list given in the annex to the certificate)

produced by : **Saint-Gobain Construction Products CZ a.s.**
Počernická 272/96
108 03 Praha 10, Česká republika

IČ : **250 29 673**

and produced in the manufacturing plant : **Saint-Gobain Construction Products CZ a.s.**
Masarykova 197
517 50 Častolovice, Česká republika

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standard

EN 14 303:2009+A1:2013

under system 1 for the performances set out in this certificate are applied and that
the construction products fulfil all the prescribed requirements for these performances

This certificate was first issued on 01. 08. 2011 as a certificate pursuant to CPD 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 performances of the declared essential characteristics, do not change, and the construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body.

Notified Body 1390
Prague, 30. 10. 2014




Ing. Petr Kučera, CSc.
Deputy of Notified Body 1390



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Annex to the Certificate of Constancy of Performance 1390-CPR-0313/11/P
The certificate covers the following products of Saint-Gobain Construction
Products CZ a.s., Masarykova 197, 517 50 Častolovice

tab. 1

group	Trade mark	Thermal conductivity $W \cdot m^{-1} \cdot K^{-1}$	Reaction to fire	Type code in accordance with EN 14 303	
45	Orstech 45 (TECH Slab 2.1), Orstech 45 NT (TECH Slab 2.1 V1), S50-U	See Table No. 2	A1	MW-EN 14303-T4-ST(+)300-WS1-CL10	
	Orstech 45 H (TECH Slab 2.1 Alu2), Klimarol		A2	MW-EN 14303-T4-ST(+)300-WS1-CL10 MW-EN 14303-T3-ST(+)100-WS1-CL10	
55	Orstech LSP 40 (TECH Lamella Mat 2.1 Alu2), Orstech LSP H (TECH Lamella Mat MT 2.2 Alu2), Orstech LSP ST (TECH Lamella Mat MT 2.2 G2), Orstech LSP PYRO (TECH Lamella Mat MT 2.3 Alu2), Orstech LSP DR/L (TECH Lamella Mat MT 2,4 Alu2)		A2		MW-EN 14303-T4-ST(+)300-WS1-CL10
					MW-EN 14303-T4-ST(+)600-WS1-CL10
					MW-EN 14303-T4-ST(+)600-CS(10)10-WS1-CL10
	65		Orstech 65 (TECH Slab MT 3.1), Orstech 65 NT (TECH Slab MT 3.1 V1), Orstech Block 65 Orstech DP 65 (TECH Wired Mat MT 3.1)	A1	MW-EN 14303-T4-ST(+)600-WS1-CL10
Orstech DP 65 ALU (TECH Wired Mat MT 3.1 Alu1)			A1	MW-EN 14303-T2-ST(+)560-WS1-CL10	
Orstech 65 H (TECH Slab MT 3.1 Alu2)			A2	MW-EN 14303-T4-ST(+)600-WS1-CL10	
80	Orstech 80 (TECH Slab MT 4.1), Orstech 80 NT (TECH Slab MT 4.1 V1), Orstech Block 80, Orstech 90 (TECH Slab MT 4.1), Orstech 90 NT (TECH Slab MT 4.1 V1), Orstech Block 90 Orstech DP 80 (TECH Wired Mat MT 4.1)		A1	MW-EN 14303-T4-ST(+)640-WS1-CL10	
	Orstech DP 80 ALU (TECH Wired Mat MT 4.1 Alu1)		A1	MW-EN 14303-T2-ST(+)640-WS1-CL10	
	Orstech 80 H (TECH Slab MT 4.1 Alu2) Orstech 90 H (TECH Slab MT 4.1 Alu2)		A2	MW-EN 14303-T4-ST(+)640-WS1-CL10	
	100		Orstech 100 (TECH Slab MT 5.1), Orstech 100 NT (TECH Slab MT 5.1 V1), Orstech Block 100, S100-U, Cleantec, Orstech 110 (TECH Slab MT 5.1), Orstech 110 NT (TECH Slab MT 5.1 V1) Orstech DP 100 (TECH Wired Mat MT 5.1)	A1	MW-EN 14303-T4-ST(+)660-WS1-CL10
Orstech DP 100 ALU (TECH Wired Mat MT 5.1 Alu1)			A1	MW-EN 14303-T2-ST(+)660-WS1-CL10	
Orstech 100 H (TECH Slab MT 5.1 Alu2) Orstech 110 H (TECH Slab MT 5.1 Alu2)			A2	MW-EN 14303-T4-ST(+)660-WS1-CL10	
150			Isover FireProtect 150 (TECH Slab HT 6.2), Isover FireProtect 150 F (TECH Slab HT 6.2 V1)	A1	MW-EN 14303-T4-ST(+)700-WS1-CL10



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tab 2 – Declared thermal conductivity coefficient acc to EN ISO 13 787

group	t°C	λ_D Thermal dependence of thermal conductivity $W.m^{-1}.K^{-1}$										
		50	100	150	200	250	300	400	500	600	650	700
45		0,042	0,053	0,066	0,082	0,100	0,124	-	-	-	-	-
55		0,046	0,056	0,069	0,084	0,103	0,125	0,180	0,251	0,340	-	-
65		0,041	0,048	0,058	0,068	0,081	0,097	0,134	0,183	0,248	-	-
80		0,041	0,047	0,055	0,065	0,076	0,089	0,118	0,155	0,201	0,225	-
100		0,041	0,047	0,054	0,063	0,073	0,084	0,110	0,143	0,182	0,204	-
150		0,041	0,047	0,053	0,060	0,068	0,077	0,098	0,123	0,154	0,172	0,192

Notified Body 1390
Prague, 30. 10. 2014




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CERTIFICATE OF CONSTANCY OF PERFORMANCE

1390 – CPR – 0305/11/P

In compliance with the Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction products

***Factory made mineral wool products used for
thermal insulation of buildings***
(according to list given in the annex to the certificate)

produced by :

Saint-Gobain Construction Products CZ a.s.
Počernická 272/96
108 03 Praha 10, Česká republika

IČ: 250 29 673

**and produced in the
manufacturing plant:**

Saint-Gobain Construction Products CZ a.s.
Masarykova 197
517 50 Častolovice, Česká republika

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

EN 13 162:2012

under system 1 for the performances set out in this certificate are applied and that the construction products fulfil all the prescribed requirements for these performances.

This certificate was first issued on 01. 08. 2011 as certificate pursuant to CPD 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 performances of the declared essential characteristics, do not change, and the construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body.

Notified Body 1390
Prague, 05. 05. 2014




Ing. Petr Kučera, Ph.D.
Deputy of Notified Body 1390



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Annex to the Certificate of Constancy of Performance 1390-CPR-0305/11/P
The certificate covers the following products of Saint-Gobain Construction
Products CZ a.s., Masarykova 197, 517 50 Častolovice

Trade mark		Thermal conductivity $W.m^{-1}.K^{-1}$	Reaction to fire	Type code in accordance with EN 13162
AKUSTIC TP2	Isover AKUSTIK TP2	0,039	A1	MW-EN 13162 - T2 - MU1
AKUSTIC TP3	Isover AKUSTIK TP3	0,035	A1	MW-EN 13162 - T4 - DS(70,-) - MU1
-	Isover AKUSTIK TP3 PLUS	0,035	A1	MW-EN 13162 - T4 - DS(70,-) - MU1
-	Isover AKUSTIK TP3R	0,035	A1	MW-EN 13162 - T4 - DS(70,-) - MU1
-	Isover WOODSIL	0,035	A1	MW-EN 13162 - T4 - DS(70,-) - MU1
Orstrop	Isover ORSTROP	0,041	A1	MW-EN 13162 - T2 - MU1
Orsik	Isover ORSIK	0,038	A1	MW-EN 13162 - T2 - MU1
Orset	Isover ORSET	0,038	A1	MW-EN 13162 - T2 - MU1
Orsil UNI	Isover UNI	0,035	A1	MW-EN 13162 - T4 - DS(70,-) - MU1
ORSIL AKU	Isover AKU	0,035	A1	MW-EN 13162 - T4 - DS(70,-) - MU1
Fassil	Isover FASSIL	0,035	A1	MW-EN 13162 - T4 - DS(70,-) - MU1
Hardsil	Isover HARDSIL	0,035	A1	MW-EN 13162 - T4 - DS(70,-) - MU1
Isover Maxil / Isover Maxil NT		0,034	A1	MW - EN 13162 - T4 - MU1
Orsil N (d = 20-50mm)	Isover N (d = 20-50mm)	0,036	A1	MW-EN 13162 - T6 - CP5 - SDi*) - MU1
Orsil N (d ≥ 60 mm)	Isover N (d ≥ 60 mm)	0,036	A1	MW-EN 13162 - T5 - MU1
Orsil T-N (d = 25-50mm)	Isover T-N (d = 25-50mm)	0,039	A1	MW-EN 13162 - T6 - CP3 - SDi*) - MU1
Orsil T-P	Isover T-P	0,039	A1	MW-EN 13162 - T7 - DS(70,-) - DS(70,90) - CS(10)40 - PL(5)400 - CP2 - SDi*) - MU1
Orsil T	Isover T	0,039	A1	MW-EN 13162 - T5 - CS(10)50 - TR7,5 - WS - WL(P) - PL(5)500 - MU1
-	Isover T-i	0,038	A1	MW-EN 13162 - T5 - CS(10)40 - TR5 - WS - WL(P) - MU1
Orsil S	Isover S	0,039	A1	MW-EN 13162 - T5 - DS(70,-) - CS(10)70 - TR15 - PL(5)600 - WS - WL(P) - MU1
-	Isover S-i	0,039	A1	MW-EN 13162 - T5 - DS(70,-) - CS(10)60 - TR10 - PL(5)450 - WS - WL(P) - MU1
ORSIL P	Isover P	0,037	A1	MW-EN 13162 - T4 - DS(70,-) - CS (10) 20 - TR1 - WS - WL(P) - MU1
ORSIL R	Isover R	0,038	A1	MW - EN 13162 - T4 - DS(70,-) - CS(10)30 - TR1 - WS - WL(P) - MU1
ORSIL TRAM	Isover TRAM MW	0,044	A1	MW - EN 13162 - T5 - DS(70,-) - CS (10\Y) 80 - WS -WL(P) - MU1
Orsil PYRO	Isover PYRO	0,041	A1	MW-EN 13162 - T5 - DS(70,-) - CS(10)60 - TR7,5 - WS - WL(P) - MU1 - BS100
Isover FireProtect 150		0,037	A1	MW - EN 13 162 - T4 - MU1
Isover FireProtect 150F				



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*) Dynamic stiffness in dependence on thickness

<i>Isover N</i>					
d (mm)	20	25	30	40	50
SDi	26	26	19	10	8

<i>Isover T-N</i>				
d (mm)	25	30	40	50
SDi	25	21	20	15

<i>Isover T-P</i>				
d (mm)	20	25	30	40
SDi	31	27	26	21

All products can be manufactured as one- or bothside faced with non-woven textiles. The classification of faced products acc. to EN 13162 corresponds to the classification of facing free products incl. reaction to fire acc. to EN 13501-1.

Declaration of the products Orsil SD/Isover SD, Orsil DK/Isover DK, Orsil AK/Isover AK, Orsil N-PP/Isover N/PP a Orsil TRV/Isover TRV which are formed as a result of cutting of the products Orsil T, Orsil N, Fassil or Hardsil acc. to following table, is derived from the declared parameters of these products.

	Orsil R / Isover R Orsil P / Isover P Orsil T / Isover T	Orsil N / Isover N	Fassil / Isover FASSIL	Hardsil / Isover HARDSIL
Orsil SD/Isover SD	X	-	-	-
Orsil DK/Isover DK	X	-	-	-
Orsil AK/Isover AK	X	-	-	-
Orsil N/PP/Isover N/PP	-	X	-	-
Orsil TRV/Isover TRV	-	-	X	X

Notified Body 1390
Prague, 05. 05. 2014




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