

Declaration of performance

N° NLD0002-0001-00 (en)

1. Unique identification code of the product-type:

TECH CRIMPED ROLL 1.0 Alu1 MW-EN-14303-T3-CS(10)0,5-ST(+)-300-CL<10
TECH CRIMPED ROLL 2.0 Alu1 MW-EN-14303-T3-CS(10)0,5-ST(+)-300-CL<10
TECH Slab 2.0 MW-EN-14303-T3-CS(10)0,5-ST(+)-300-CL<10

2. Element allowing identification of the construction product:

Unique product name & code (as stated in point 1)
(See also product label for traceability)

3. Intended use (according harmonised technical specification)

Thermal insulation of Building Equipment and Industrial Installations (ThIBEII)

4. Name, registered trade name and contact address of the manufacturer:

SAINT-GOBAIN ISOVER
Parallelweg 20, 4878 AH, Etten – Leur, Nederland

5. Name and contact address of the authorised representative:

Not applicable

6. System(s) of Assessment and Verification of Constancy of Performance of the construction product:

AVCP System 1 for Reaction to fire (A1, A2, B, C) & AVCP System 3 for other characteristics

7. Case a construction product covered by a harmonised standard:

KIWA (Notified Body n° 0620)
performed the determination of the product-type on the basis of type testing (including sampling); initial inspection of the manufacturing plant and of factory production control; continuous surveillance, assessment and evaluation of factory production control ; under system 1

FIW (Notified Body n°0751), KIWA (Notified Body n° 0620) and BDA (Notified Body n°1640),
performed the determination of the product-type on the basis of type testing (based on sampling carried out by the manufacturer), under system 3.

8. Case of a construction product for which a European Technical Assessment has been issued:

Not applicable

9. Declared performance:

All characteristics listed in the table hereunder are determined in harmonised standard

EN 14303:2009+A1:2013

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Essential characteristics		Performance		
		TECH CRIMPED ROLL 1.0 Alu1	TECH CRIMPED ROLL 2.0 Alu1	TECH Slab 2.0
Reaction to fire - Euroclass Characteristics	Reaction to fire 4.2.4 Euroclass Characteristics	A1		
Thermal resistance	Thermal Conductivity [in W/(m.K)] (4.2.1)			
	at 50 °C	0.043	0.042	0.044
	at 100 °C	0.055	0.053	0.054
	at 150 °C	0.072	0.066	0.070
	at 200 °C	0.095	0.082	0.090
	at 250 °C	0.125	0.103	0.110
	Dimensions & Tolerances (4.2.2)	T3	T3	T3
Water permeability	Water absorption (4.3.5)	NPD		
water vapour permeability	Water vapour diffusion resistance (4.3.6)	NPD		
Compressive strength	Compressive stress or compressive strength for flat products (4.3.4)			
		0,5 kPa (at 10 % deformation)	0,5 kPa (at 10 % deformation)	0,5 kPa (at 10 % deformation)
Rate of release of corrosive substances	Trace quantities of water-soluble ions and the pH value (4.3.7)			
	Trace quantity of ions Cl	<10 mg/kg		
	Trace quantity of ions F	NPD		
	Trace quantity of ions SiO ₃	NPD		
	Trace quantity of ions Na	NPD		
	Value of pH	8		
Release of dangerous substances to the indoor environment	Release of dangerous substances (4.3.9)	NPD (a)		
Continuous glowing combustion	Continuous glowing combustion (4.3.10) ^(b)	NPD		
Durability of reaction to fire against ageing/degradation	Durability characteristics (4.2.5)	(c)		
Durability of thermal resistance against ageing/degradation and against high temperature	Thermal Conductivity (4.2.1)	(d)		
	Dimensions and tolerances (4.2.2)	T3	T3	T3
	Dimensional stability (4.2.3) , or Maximum Service Temperature - dimensional stability (4.3.2)	300° C (at 250 Pa)	300° C (at 500 Pa)	300° C (at 100 Pa)
	Durability characteristics (4.2.5)	(d)		
Durability of reaction to fire against high temperature	Durability characteristics (4.2.5)	(e)		
	Dimensional stability (4.2.3) , or Maximum Service Temperature - dimensional stability (4.3.2)	300° C (at 250 Pa)	300° C (at 500 Pa)	300° C (at 100 Pa)
acoustic absorption index	Sound Absorption (4.3.8)	NPD	NPD	NPD
CE Designation code		MW-EN-14303-T3-CS(10)0,5-ST(+300-CL<10		
CE certificate		64725	64725	64726

- (a) An informative database of European and national provisions on dangerous substances is available at the Construction web site on EUROPA (accessed through <http://ec.europa.eu/enterprise/construction/cpd-ds/>).
- (b) A European test method is under development and the standard will be amended when this is available.
- (c) The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of the product is related to the organic content, which cannot increase with time.
- (d) Thermal conductivity of mineral wool products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air.
- (e) The fire performance of mineral wool does not deteriorate with high temperature. The Euroclass classification of the product is related to the organic content, which remains constant or decreases with high temperature.

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Wim Thijs
Plantmanager Saint-Gobain Isover



Date: 11-06-2013

Etten – Leur

