

Declaration of performance

N° NLD0002-0002-00 (en)

1. Unique identification code of the product-type:

CLIMLINER ROLL V2	MW-EN14303-T3-ST(+) ₁₂₅ -pH8.5
DUCT INSUL A124	MW-EN14303-T2-ST(+) ₁₂₅ -pH8.5
CLIM COVER ROLL ALU 2	MW-EN14303-T3-ST(+) ₁₂₅ -pH8.5
DUCT INSUL A419	MW-EN14303-T3-ST(+) ₁₂₅ -pH8.5
FIB AIR FONIC M1	MW-EN14303-T3-ST(+) ₁₂₅ -pH8.5
CLIMLINER SLAB 602	MW-EN14303-T3-ST(+) ₁₂₅ -Ph6.5
DUCT LINER 302	MW-EN14303-T3-ST(+) ₁₂₅
DUCT INSUL A116	MW-EN14303-T2-ST(+) ₁₂₅

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

Essential characteristics		Performance	
		Climliner Roll v2	Duct insul A124
Reaction to fire - Euroclass Characteristics	Reaction to fire 4.2.4 Euroclass Characteristics	A2-s1,d0	A2-s1,d0
Thermal resistance	Thermal Conductivity [in W/(m.K)] (4.2.1)		
	at 10 °C	0.033	0.032
	at 20 °C	0.036	0.034
	at 30 °C	0.038	0.036
	at 40 °C	0.040	0.038
	at 50 °C	0.043	0.04
	Dimensions & Tolerances (4.2.2)	T3	T2
Water permeability	Water absorption (4.3.5)	NPD	NPD
water vapour permeability	Water vapour diffusion resistance (4.3.6)	NPD	NPD
Compressive strength	Compressive stress or compressive strength for flat products (4.3.4)	NPD	NPD
		NPD	NPD
Rate of release of corrosive substances	Trace quantities of water-soluble ions and the pH value (4.3.7)		
	Trace quantity of ions Cl	NPD	NPD
	Trace quantity of ions F	NPD	NPD
	Trace quantity of ions SiO ₃	NPD	NPD
	Trace quantity of ions Na	NPD	NPD
	Value of pH	8,5	8,5
Release of dangerous substances to the indoor environment	Release of dangerous substances (4.3.9)	NPD (a)	NPD (a)
Continuous glowing combustion	Continuous glowing combustion (4.3.10) ^(b)	NPD	NPD
Durability of reaction to fire against ageing/degradation	Durability characteristics (4.2.5)	(c)	(c)
Durability of thermal resistance against ageing/degradation and against high temperature	Thermal Conductivity (4.2.1)	(d)	(d)
	Dimensions and tolerances (4.2.2)	T3	T2
	Dimensional stability (4.2.3) , or Maximum Service Temperature - dimensional stability (4.3.2)	125 ⁰ C (at 250 Pa)	125°C (at 500 Pa)
	Durability characteristics (4.2.5)	(d)	(d)
Durability of reaction to fire against high temperature	Durability characteristics (4.2.5)	(e)	(e)
	Dimensional stability (4.2.3) , or Maximum Service Temperature - dimensional stability (4.3.2)	125 ⁰ C (at 250 Pa)	125°C (at 500 Pa)
acoustic absorption index	Sound Absorption (4.3.8)	NPD	NPD
CE Designation code		MW-EN-14303-T3-ST(+)-125-pH8.5	MW-EN-14303-T2-ST(+)-125-pH8.5
CE certificate		64720	64722

(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.

Essential characteristics		Performance	
		CLIM COVER Roll Alu2	Duct insul 419
Reaction to fire - Euroclass Characteristics	Reaction to fire 4.2.4 Euroclass Characteristics	A2-s1,d0	A2-s1,d0
Thermal resistance	Thermal Conductivity [in W/(m.K)] (4.2.1)		
	at 10 °C	0.033	0.033
	at 20 °C	0.035	0.035
	at 30 °C	0.037	0.037
	at 40 °C	0.039	0.039
	at 50 °C	0.041	0.041
	Dimensions & Tolerances (4.2.2)	T2	T2
Water permeability	Water absorption (4.3.5)	NPD	NPD
water vapour permeability	Water vapour diffusion resistance (4.3.6)	NPD	NPD
Compressive strength	Compressive stress or compressive strength for flat products (4.3.4)	NPD	NPD
		NPD	NPD
Rate of release of corrosive substances	Trace quantities of water-soluble ions and the pH value (4.3.7)		
	Trace quantity of ions Cl	NPD	NPD
	Trace quantity of ions F	NPD	NPD
	Trace quantity of ions SiO ₃	NPD	NPD
	Trace quantity of ions Na	NPD	NPD
	Value of pH	8.5	9.5
Release of dangerous substances to the indoor environment	Release of dangerous substances (4.3.9)	NPD (a)	NPD (a)
Continuous glowing combustion	Continuous glowing combustion (4.3.10) ^(b)	NPD	NPD
Durability of reaction to fire against ageing/degradation	Durability characteristics (4.2.5)	(c)	(c)
Durability of thermal resistance against ageing/degradation and against high temperature	Thermal Conductivity (4.2.1)	(d)	(d)
	Dimensions and tolerances (4.2.2)	T2	T3
	Dimensional stability (4.2.3) , or Maximum Service Temperature - dimensional stability (4.3.2)	125°C (at 500 Pa)	125°C (at 500 Pa)
	Durability characteristics (4.2.5)	(d)	(d)
Durability of reaction to fire against high temperature	Durability characteristics (4.2.5)	(e)	(e)
	Dimensional stability (4.2.3) , or Maximum Service Temperature - dimensional stability (4.3.2)	125°C (at 500 Pa)	125°C (at 500 Pa)
acoustic absorption index	Sound Absorption (4.3.8)	NPD	NPD
CE Designation code		MW-EN-14303-T3-ST(+)-125-pH8.5	MW-EN-14303-T3-ST(+)-125-pH8.5
CE certificate		64722	64722

(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.

Essential characteristics		Performance	
		Fib Air Fonc M1	Climliner Slab 602
Reaction to fire - Euroclass Characteristics	Reaction to fire 4.2.4 Euroclass Characteristics	A2-s1,d0	A2-s1,d0
Thermal resistance	Thermal Conductivity [in W/(m.K)] (4.2.1)		
	at 10 °C	0.033	0.032
	at 20 °C	0.036	NPD
	at 30 °C	0.038	0.036
	at 40 °C	0.040	NPD
	at 50 °C	0.043	0.039
	Dimensions & Tolerances (4.2.2)	T3	T3
Water permeability	Water absorption (4.3.5)	NPD	NPD
water vapour permeability	Water vapour diffusion resistance (4.3.6)	NPD	NPD
Compressive strength	Compressive stress or compressive strength for flat products (4.3.4)	NPD	NPD
		NPD	NPD
Rate of release of corrosive substances	Trace quantities of water-soluble ions and the pH value (4.3.7)		
	Trace quantity of ions Cl	NPD	NPD
	Trace quantity of ions F	NPD	NPD
	Trace quantity of ions SiO ₃	NPD	NPD
	Trace quantity of ions Na	NPD	NPD
	Value of pH	8.5	6.5
Release of dangerous substances to the indoor environment	Release of dangerous substances (4.3.9)	NPD (a)	NPD (a)
Continuous glowing combustion	Continuous glowing combustion (4.3.10) ^(b)	NPD	NPD
Durability of reaction to fire against ageing/degradation	Durability characteristics (4.2.5)	(c)	(c)
Durability of thermal resistance against ageing/degradation and against high temperature	Thermal Conductivity (4.2.1)	(d)	(d)
	Dimensions and tolerances (4.2.2)	T3	T3
	Dimensional stability (4.2.3) , or Maximum Service Temperature - dimensional stability (4.3.2)	125 ⁰ C (at 250 Pa)	125 ⁰ C (at 500 Pa)
	Durability characteristics (4.2.5)	(d)	(d)
Durability of reaction to fire against high temperature	Durability characteristics (4.2.5)	(e)	(e)
	Dimensional stability (4.2.3) , or Maximum Service Temperature - dimensional stability (4.3.2)	125 ⁰ C (at 250 Pa)	125 ⁰ C (at 500 Pa)
acoustic absorption index	Sound Absorption (4.3.8)	NPD	NPD
CE Designation code		MW-EN-14303-T3-ST(+)-125-pH8.5	MW-EN-14303-T3-ST(+)-125-Ph6,5
CE certificate		64720	64721

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(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.

Essential characteristics		Performance	
		Duct Liner 302	Duct Insul A116
Reaction to fire - Euroclass Characteristics	Reaction to fire 4.2.4 Euroclass Characteristics	A2-s1,d0	F
Thermal resistance	Thermal Conductivity [in W/(m.K)] (4.2.1)		
	at 10 °C	0.033	0.036
	at 20 °C	NPD	NPD
	at 30 °C	0.036	0.040
	at 40 °C	NPD	NPD
	at 50 °C	0.039	0.045
	Dimensions & Tolerances (4.2.2)	T3	T2
Water permeability	Water absorption (4.3.5)	NPD	NPD
water vapour permeability	Water vapour diffusion resistance (4.3.6)	NPD	NPD
Compressive strength	Compressive stress or compressive strength for flat products (4.3.4)	NPD	NPD
		NPD	NPD
Rate of release of corrosive substances	Trace quantities of water-soluble ions and the pH value (4.3.7)		
	Trace quantity of ions Cl	NPD	NPD
	Trace quantity of ions F	NPD	NPD
	Trace quantity of ions SiO ₃	NPD	NPD
	Trace quantity of ions Na	NPD	NPD
	Value of pH	NPD	NPD
Release of dangerous substances to the indoor environment	Release of dangerous substances (4.3.9)	NPD (a)	NPD (a)
Continuous glowing combustion	Continuous glowing combustion (4.3.10) ^(b)	NPD	NPD
Durability of reaction to fire against ageing/degradation	Durability characteristics (4.2.5)	(c)	(c)
Durability of thermal resistance against ageing/degradation and	Thermal Conductivity (4.2.1)	(d)	(d)
	Dimensions and tolerances (4.2.2)	T3	T2
	Dimensional stability (4.2.3) , or Maximum Service Temperature - dimensional stability (4.3.2)	125 ⁰ C (at 250 Pa)	125 ⁰ C (at 250 Pa)
	Durability characteristics (4.2.5)	(d)	(d)
Durability of reaction to fire against high temperature	Durability characteristics (4.2.5)	(e)	(e)
	Dimensional stability (4.2.3) , or Maximum Service Temperature - dimensional stability (4.3.2)	125 ⁰ C (at 250 Pa)	125 ⁰ C (at 250 Pa)
acoustic absorption index	Sound Absorption (4.3.8)	NPD	NPD
CE Designation code		MW-EN-14303-T3-ST(+)-125	MW-EN-14303-T2-ST(+)-125
CE certificate		64721	NA

(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/>).

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(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.

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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

