

## Declaration of Performance

Nr. NLD0001-0007-02 (EN)

**1. Unique identification code of the product-type:**

SYSTEMROLL 400	MW-EN13162-T3
SYSTEMROLL 400 G3	MW-EN13162-T2
SONEBEL 110	MW-EN13162-T3-AFr5
SONEPANEL	MW-EN13162-T3-AFr5
FLEX N016	MW-EN13162-T2-AFr5
FLEX N016DIN/ACER	MW-EN13162-T2-AFr5
SONEROLL	MW-EN13162-T3-AFr5
FLEX D0500 ALUKRAFT	MW-EN13162-T1
PAN N0500	MW-EN13162-T2
ISOLATIEPLAAT	MW-EN13162-T3-WS
FLEX N0500	MW-EN13162-T2

**2. Element allowing identification of the construction product:**

Unique product name & code as stated under point 1  
(see also product label for traceability)

**3. Intended use (according harmonized technical specification):**

Thermal insulation of Buildings (THiB)

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

SAINT-GOBAIN ISOVER  
Parallelweg 20, 4878 AH, Etten-Leur, Netherlands

**5. Name and contact address of the authorized 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 (euro class A1, A2, B, C) & AVCP System 3 for other characteristics

AVCP System 4 for Reaction to Fire (euro class F) & AVCP System 3 for other characteristics

**7. Case a construction product covered by a harmonized 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.

BDA (Notified Body n°1640) & KIWA (Notified Body n° 0620)

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 harmonized **standard EN 13162:2012+A1:2015**.

Essential characteristics Requirement clauses in the european standard	SYSTEMROLL 400 (thickness > 149 mm)		SYSTEMROLL 400 G3 (thickness > 149 mm)	
	Thermal resistance and thermal conductivity (4.2.1)	0,037 mW/m.K		
Thickness (4.2.3)	T2		T3	
Reaction to Fire (4.2.6)	A1	F > 190 mm	A1	F > 190 mm
Water absorption (4.3.7.1)	NPD		NPD	
Water absorption (4.3.7.2)	NPD		NPD	
Water vapour transmission (4.3.8)	NPD		NPD	
Release of dangerous substances (4.3.13)	NPD		NPD	
Sound absorption (4.3.11)	NPD		NPD	
Dynamic stiffness (4.3.9)	NPD		NPD	
Thickness (4.3.10.2)	NPD		NPD	
Compressability (4.3.10.4)	NPD		NPD	
Air Flow resistivity (4.3.12)	NPD		NPD	
Air Flow resistivity (4.3.12)	NPD		NPD	
Continuous glowing combustion (4.3.15)	NPD		NPD	
Compressive stress or compressive strength (4.3.3)	NPD		NPD	
Point load (4.3.5)	NPD		NPD	
Durability characteristics (4.2.7) <sup>a,b</sup>	NPD		NPD	
Thermal resistance and thermal conductivity (4.2.1) <sup>c</sup>	NPD		NPD	
Durability characteristics (4.2.7) <sup>d</sup>	NPD		NPD	
Tensile strength perpendicular to faces <sup>e</sup> (4.3.4)	NPD		NPD	
Compressive creep (4.3.6)	NPD		NPD	
CE Designation code	MW-EN13162-T2		MW-EN13162-T3	
CE certificatenummer	41520		41520	

<sup>a</sup> No change in reaction to fire properties for mineral wool products.

<sup>b</sup> 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 in time

<sup>c</sup> 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 gasses than atmospheric air

<sup>d</sup> For dimensional stability thickness only

<sup>e</sup> This characteristic also covers handling and installation

Essential characteristics Requirement clauses in the European standard	SONEBEL 110	SONEPANEL
Thermal resistance and thermal conductivity (4.2.1)	0,037 mW/m.K	
Thickness (4.2.3)	T3	T3
Reaction to Fire (4.2.6)	A1	A1
Water absorption (4.3.7.1)	NPD	NPD
Water absorption (4.3.7.2)	NPD	NPD
Water vapour transmission (4.3.8)	NPD	NPD
Release of dangerous substances (4.3.13)	NPD	NPD
Sound absorption (4.3.11)	NPD	NPD
Dynamic stiffness (4.3.9)	NPD	NPD
Thickness (4.3.10.2)	NPD	NPD
Compressability (4.3.10.4)	NPD	NPD
Air Flow resistivity (4.3.12)	5 kPa.s/m <sup>2</sup>	5 kPa.s/m <sup>2</sup>
Air Flow resistivity (4.3.12)	5 kPa.s/m <sup>2</sup>	5 kPa.s/m <sup>2</sup>
Continuous glowing combustion (4.3.15)	NPD	NPD
Compressive stress or compressive strength (4.3.3)	NPD	NPD
Point load (4.3.5)	NPD	NPD
Durability characteristics (4.2.7) <sup>a,b</sup>	NPD	NPD
Thermal resistance and thermal conductivity (4.2.1) <sup>c</sup>	NPD	NPD
Durability characteristics (4.2.7) <sup>d</sup>	NPD	NPD
Tensile strength perpendicular to faces <sup>e</sup> (4.3.4)	NPD	NPD
Compressive creep (4.3.6)	NPD	NPD
CE Designation code	MW-EN13162-T3-AFr5	MW-EN13162-T3-AFr5
CE certificatenummer	41520	41531

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<sup>c</sup> 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 gasses than atmospheric air

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Essential characteristics Requirement clauses in the european standard	FLEX N016	FLEX N016DIN/ACER
Thermal resistance and thermal conductivity (4.2.1)	0,037 mW/m.K	
Thickness (4.2.3)	T2	T2
Reaction to Fire (4.2.6)	A1	A1
Water absorption (4.3.7.1)	NPD	NPD
Water absorption (4.3.7.2)	NPD	NPD
Water vapour transmission (4.3.8)	NPD	NPD
Release of dangerous substances (4.3.13)	NPD	NPD
Sound absorption (4.3.11)	NPD	NPD
Dynamic stiffness (4.3.9)	NPD	NPD
Thickness (4.3.10.2)	NPD	NPD
Compressability (4.3.10.4)	NPD	NPD
Air Flow resistivity (4.3.12)	5 kPa.s/m <sup>2</sup>	5 kPa.s/m <sup>2</sup>
Air Flow resistivity (4.3.12)	5 kPa.s/m <sup>2</sup>	5 kPa.s/m <sup>2</sup>
Continuous glowing combustion (4.3.15)	NPD	NPD
Compressive stress or compressive strength (4.3.3)	NPD	NPD
Point load (4.3.5)	NPD	NPD
Durability characteristics (4.2.7) <sup>a,b</sup>	NPD	NPD
Thermal resistance and thermal conductivity (4.2.1) <sup>c</sup>	NPD	NPD
Durability characteristics (4.2.7) <sup>d</sup>	NPD	NPD
Tensile strength perpendicular to faces <sup>e</sup> (4.3.4)	NPD	NPD
Compressive creep (4.3.6)	NPD	NPD
CE Designation code	MW-EN13162-T2-AFr5	MW-EN13162-T2-AFr5
CE certificatenummer	41520	41520

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<sup>c</sup> 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 gasses than atmospheric air

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Essential characteristics Requirement clauses in the European standard	SONEROLL	FLEX D0500 ALUKRAFT
Thermal resistance and thermal conductivity (4.2.1)	0,037 mW/m.K	
Thickness (4.2.3)	T3	T1
Reaction to Fire (4.2.6)	A1	F
Water absorption (4.3.7.1)	NPD	NPD
Water absorption (4.3.7.2)	NPD	NPD
Water vapour transmission (4.3.8)	NPD	NPD
Release of dangerous substances (4.3.13)	NPD	NPD
Sound absorption (4.3.11)	NPD	NPD
Dynamic stiffness (4.3.9)	NPD	NPD
Thickness (4.3.10.2)	NPD	NPD
Compressability (4.3.10.4)	NPD	NPD
Air Flow resistivity (4.3.12)	5 kPa.s/m <sup>2</sup>	NPD
Air Flow resistivity (4.3.12)	5 kPa.s/m <sup>2</sup>	NPD
Continuous glowing combustion (4.3.15)	NPD	NPD
Compressive stress or compressive strength (4.3.3)	NPD	NPD
Point load (4.3.5)	NPD	NPD
Durability characteristics (4.2.7) <sup>a,b</sup>	NPD	NPD
Thermal resistance and thermal conductivity (4.2.1) <sup>c</sup>	NPD	NPD
Durability characteristics (4.2.7) <sup>d</sup>	NPD	NPD
Tensile strength perpendicular to faces <sup>e</sup> (4.3.4)	NPD	NPD
Compressive creep (4.3.6)	NPD	NPD
CE Designation code	MW-EN13162-T3-AFr5	MW-EN13162-T1
CE certificatenummer	41531	SYSTEM 3

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Essential characteristics Requirement clauses in the European standard	PAN N0500	ISOLATIEPLAAT
Thermal resistance and thermal conductivity (4.2.1)	0,037 mW/m.K	
Thickness (4.2.3)	T2	T3
Reaction to Fire (4.2.6)	A1	A1
Water absorption (4.3.7.1)	NPD	< 1 kg / m <sup>2</sup>
Water absorption (4.3.7.2)	NPD	NPD
Water vapour transmission (4.3.8)	NPD	NPD
Release of dangerous substances (4.3.13)	NPD	NPD
Sound absorption (4.3.11)	NPD	NPD
Dynamic stiffness (4.3.9)	NPD	NPD
Thickness (4.3.10.2)	NPD	NPD
Compressability (4.3.10.4)	NPD	NPD
Air Flow resistivity (4.3.12)	NPD	NPD
Air Flow resistivity (4.3.12)	NPD	NPD
Continuous glowing combustion (4.3.15)	NPD	NPD
Compressive stress or compressive strength (4.3.3)	NPD	NPD
Point load (4.3.5)	NPD	NPD
Durability characteristics (4.2.7) <sup>a,b</sup>	NPD	NPD
Thermal resistance and thermal conductivity (4.2.1) <sup>c</sup>	NPD	NPD
Durability characteristics (4.2.7) <sup>d</sup>	NPD	NPD
Tensile strength perpendicular to faces <sup>e</sup> (4.3.4)	NPD	NPD
Compressive creep (4.3.6)	NPD	NPD
CE Designation code	MW-EN13162-T2	MW-EN13162-T3-WS
CE certificatenummer	41520	41531

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Essential characteristics Requirement clauses in the european standard	FLEX N0500
Thermal resistance and thermal conductivity (4.2.1)	0,037 mW/m.K
Thickness (4.2.3)	T2
Reaction to Fire (4.2.6)	A1
Water absorption (4.3.7.1)	NPD
Water absorption (4.3.7.2)	NPD
Water vapour transmission (4.3.8)	NPD
Release of dangerous substances (4.3.13)	NPD
Sound absorption (4.3.11)	NPD
Dynamic stiffness (4.3.9)	NPD
Thickness (4.3.10.2)	NPD
Compressability (4.3.10.4)	NPD
Air Flow resistivity (4.3.12)	NPD
Air Flow resistivity (4.3.12)	NPD
Continuous glowing combustion (4.3.15)	NPD
Compressive stress or compressive strength (4.3.3)	NPD
Point load (4.3.5)	NPD
Durability characteristics (4.2.7) <sup>a,b</sup>	NPD
Thermal resistance and thermal conductivity (4.2.1) <sup>c</sup>	NPD
Durability characteristics (4.2.7) <sup>d</sup>	NPD
Tensile strength perpendicular to faces <sup>e</sup> (4.3.4)	NPD
Compressive creep (4.3.6)	NPD
CE Designation code	MW-EN13162-T2
CE certificatenummer	41520

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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:**

Mark Rippens  
Plant Manager Saint-Gobain Isover



Date: 25-6-2020

Etten-Leur