

DECLARATION OF PERFORMANCE N. CPR-IT1/0452

- 1) Unique identification code of the product-type: **MAPESIL LM**
- 2) Intended uses: **Silicone sealant for non-structural internal and external use in façade elements and glazing application, sanitary areas and floor joints in buildings and pedestrian walkways**
- 3) Manufacturer: **MAPEI S.p.A. – Via Cafiero, 22 – 20158 Milan – Italy - www.mapei.it**
- 4) Systems of AVCP: **System 3**
- 5) Harmonized standards: **EN 15651-1:2012, EN 15651-2:2012, EN 15651-3:2012, EN 15651-4:2012.**

 Notified bodies **SKZ - Testing GmbH, N. 1213**

- 6) Performances declared:

EN 15651-1 **F-EXT-INT-CC** **(CLASS 25LM)**
Conditioning: **Method A**
Substrate: **Glass and aluminum without primer**

Essential characteristics	Performances
Reaction to fire:	Class E
Release of chemicals dangerous to the environment and health:	NPD
Water tightness and air tightness:	
– Resistance to flow:	≤ 3 mm
– Loss of volume:	≤ 10%
– Tensile properties (elongation) at maintained extension after water immersion:	Pass
– Tensile properties (secant modulus) for non-structural low modulus sealants used in joints in cold climate areas (-30°C):	≤ 0,9 MPa
– Tensile properties (at maintained extension) for non-structural sealants used in joints in cold climate areas (-30°C):	Pass
Durability:	Pass

EN 15651-2 **G-CC** **(CLASS 25LM)**
Conditioning: **Method A**
Substrate: **Glass and aluminum without primer**

Essential characteristics	Performances
Reaction to fire:	Class E
Release of chemicals dangerous to the environment and health:	NPD
Water tightness and air tightness:	
– Loss of volume:	≤ 10%
– Vertical flow resistance:	≤ 3 mm
– Adhesion / cohesion properties after exposure to heat, water and artificial light:	Pass
– Elastic recovery:	≥ 60%
– Tensile properties (secant modulus) for non-structural low modulus sealants used in joints in cold climate areas (-30°C):	≤ 0,9 MPa
– Tensile properties (at maintained extension) for non-structural sealants used in joints in cold climate areas (-30°C):	Pass
Durability:	Pass

EN 15651-3 **CLASS XS 1**
Conditioning: **Method A**
Substrate: **Glass and aluminum without primer**

Essential characteristics	Performances
Reaction to fire:	Class E
Release of chemicals dangerous to the environment and health:	NPD
Water tightness and air tightness:	
– Resistance to flow:	≤ 3 mm
– Loss of volume:	≤ 20%
– Tensile properties (elongation) at maintained extension after water immersion:	Pass
Microbiological growth:	1
Durability:	Pass

EN 15651-4 **PW-EXT-INT-CC** **(CLASS 25LM)**
Conditioning: **Method A**
Substrate: **Mortar M1 with primer G 783**

Essential characteristics	Performances
Reaction to fire:	Class E
Release of chemicals dangerous to the environment and health:	NPD
Water tightness and air tightness:	
– Tensile properties at maintained extension:	Pass
– Loss of volume:	≤ 10%
– Tear resistance:	Pass
– Adhesion / cohesion properties at maintained extension after 28 days water immersion:	Pass
– Adhesion / cohesion properties at maintained extension after 28 days salt water immersion:	Pass
– Tensile properties (secant modulus) at (-30 ± 2)°C for cold climate areas:	≤ 0,9 MPa
– Tensile properties at maintained extension at (-30 ± 2)°C for cold climate areas:	Pass
Durability:	Pass

The performance of the product identified above is in conformity with the set of declared performances.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by: **Lorenzo Martino – Corporate Quality Management**

Milan, 22/09/2022



REACH information: the information referred to Article 31 or, as appropriate, to Article 33 of the REACH Regulation (EC) No 1907/2006 and following amendments are indicated in the Safety Data Sheet that MAPEI makes available on the website along with this current Declaration of Performance.

DoP in Pdf format are available in the Mapei website.

Revision 2 notes:	Unchanged product; declared performances aligned with threshold values of the standard.
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 1213	 Via Cafiero, 22 – 20158 Milano (Italy) www.mapei.it			
14 CPR-IT1/0452 EN 15651-1: F-EXT-INT-CC EN 15651-2: G-CC EN 15651-3: XS 1 EN 15651-4: PW-EXT-INT-CC MAPESIL LM Silicone sealant for non-structural internal and external use in façade elements and glazing application, sanitary areas and floor joints in buildings and pedestrian walkways				
	15651-1	15651-2	15651-3	15651-4
Conditioning:	Method A			
Substrate:	Aluminium - Glass			Mortar M1
Primer:	None			G 783
Reaction to fire:	Class E			
Release of chemicals dangerous to the environment and health:	NPD			
Water tightness and air tightness:				
– Resistance to flow:	≤ 3 mm	----	≤ 3 mm	----
– Tensile properties at maintained extension:	----	----	----	Pass
– Loss of volume:	≤ 10%	≤ 10%	≤ 20%	≤ 10%
– Vertical flow resistance:	----	≤ 3 mm	----	----
– Tensile properties (elongation) at maintained extension after water immersion:	Pass	----	Pass	----
– Adhesion / cohesion properties after exposure heat, water and artificial light:	----	Pass	----	----
– Elastic recovery:	----	≥ 60%	----	----
– Tear resistance:	----	----	----	Pass
– Adhesion / cohesion properties at maintained extension after 28 days water immersion:	----	----	----	Pass
– Adhesion / cohesion properties at maintained extension after 28 days salt water immersion:	----	----	----	Pass
– Tensile properties (secant modulus) for non-structural low modulus sealants used in joints in cold climate areas (-30°C):	≤ 0,9 MPa	≤ 0,9 MPa	----	----
– Tensile properties (at maintained extension) for non-structural sealants used in joints in cold climate areas (-30°C):	Pass	Pass	----	----
– Tensile properties (secant modulus) at (-30 ± 2)°C for cold climate areas:	----	----	----	≤ 0,9 MPa
– Tensile properties at maintained extension at (-30 ± 2)°C for cold climate areas:	----	----	----	Pass
Microbiological growth:	----	----	1	----
Durability:	Pass			

CE reminder printed on the cartridge:



Note:

MAPEI supplies the current annex along with the DoP to make the consultancy of the CE marking easier for the international clients. The enclosed CE marking can be slightly different compared to the one printed on the relevant packaging or documentation because of:

- *NPD (No Performance Determined) values can be omitted by the CE marking,*
- *graphic adaptations due to lack of space on the packaging or printing methods used,*
- *different language (the same packaging can be shared by several countries),*
- *the product is already in stock when the updating of the CE marking is implemented,*
- *printing mistakes.*