

**DECLARATION OF PERFORMANCE N. CPR-IT1/0449**

- 1) Unique identification code of the product-type: **MAPEFLEX MS45**
- 2) Intended uses: **Sealant for non-structural internal and external use in façade elements, sanitary areas and floor joints in buildings and pedestrian walkways, also in cold climates**
- 3) Manufacturer: **MAPEI S.p.A. – Via Cafiero, 22 – 20158 Milan – Italy - [www.mapei.it](http://www.mapei.it)**
- 4) Systems of AVCP: **System 3**
- 5) Harmonized standards: **EN 15651-1:2012, EN 15651-3:2012, EN 15651-4:2012**  
Notified bodies **FUNDACION TECNALIA RESEARCH & INNOVATION, N. 1292**  
**CSI SPA, N. 0497**
- 6) Performances declared:

**EN 15651-1**                      **F-EXT-INT-CC**      **(CLASS 20HM)**  
**Conditioning:**              **Method B**  
**Substrate:**                  **Mortar M2 with PRIMER FD**

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

**EN 15651-3**                      **CLASS XS 1**  
**Conditioning:**              **Method B**  
**Substrate:**                  **Glass with PRIMER FD**

Essential characteristics	Performances
Reaction to fire:	<b>Class E</b>
Release of chemicals dangerous to the environment and health:	<b>NPD</b>
Water tightness and air tightness:	
– Resistance to flow:	<b>≤ 3 mm</b>
– Loss of volume:	<b>≤ 20%</b>
– Tensile properties (elongation) at maintained extension after water immersion:	<b>Pass</b>
Microbiological growth:	<b>0</b>
Durability:	<b>Pass</b>

**EN 15651-4**                      **PW-EXT-INT-CC**                      **(CLASS 20HM)**  
**Conditioning:**                      **Method B**  
**Substrate:**                      **Mortar M2 with PRIMER FD**

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 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, 28/03/2023**




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 3 notes:	Added performances according to EN 15651-3
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**MAPEFLEX MS45**  
**CE MARKING**  
*Annex to DoP N. CPR-IT1/0449*

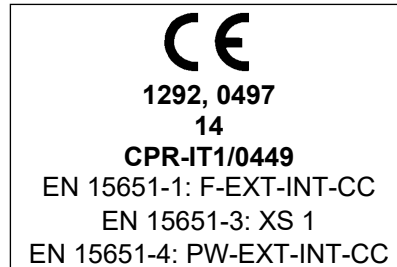


<div>CE</div> <div>1292, 0497</div>	<div> <b>MAPEI</b></div> <div>Via Cafiero, 22 – 20158 Milano (Italy)</div> <div>www.mapei.it</div>		
<div>14</div> <div>CPR-IT1/0449</div> <div>EN 15651-1: F-EXT-INT-CC</div> <div>EN 15651-3: XS 1</div> <div>EN 15651-4: PW-EXT-INT-CC</div> <div>MAPEFLEX MS45</div> <div>Sealant for non-structural internal and external use in façade elements, sanitary areas and floor joints in buildings and pedestrian walkways, also in cold climates</div>			
	15651-1	15651-3	15651-4
Conditioning:	Method B		
Substrate:	Mortar M2	Glass	Mortar M2
Primer:	FD		
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%	≤ 20%	≤ 10%
– Tensile properties (elongation) at maintained extension after water immersion:	Pass	Pass	----
– 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 (at maintained extension) for non-structural sealants used in joints in cold climate areas (-30°C):	Pass	-----	----
– Tensile properties at maintained extension at (-30 ± 2)°C for cold climate areas:	-----	-----	Pass
Microbiological growth:	-----	0	----
Durability:	Pass		

**MAPEFLEX MS45**  
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***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.*