

DECLARATION OF PERFORMANCE N. CPR-IT1/0007

- 1) Unique identification code of the product-type: **ADESILEX PG1**
- 2) Intended uses: **Bi-component epoxy resin for structural bonding in bonded plate reinforcement and bonded mortar or concrete for strengthening an existing concrete structure in building and civil engineering works**
- 3) Manufacturer: **MAPEI S.p.A. – Via Cafiero, 22 – 20158 Milan – Italy - www.mapei.it**
- 4) Systems of AVCP: **System 2+**
System 3 (for reaction to fire)
- 5) Harmonized standards: **EN 1504-4 :2004**

Notified bodies: **ICMQ SPA, N. 1305.**
CSI SPA, N. 0497
- 6) Performances declared:

Essential characteristics	Performances
Bond/adhesion strength:	Pull off strength: $\geq 14 \text{ N/mm}^2$ (for plate) Slant shear strength at degree (for plate): $50^\circ \sigma_0 \geq 50 \text{ N/mm}^2$ $60^\circ \sigma_0 \geq 60 \text{ N/mm}^2$ $70^\circ \sigma_0 \geq 70 \text{ N/mm}^2$ Pass (for mortar/concrete)
Shear strength:	$\geq 12 \text{ N/mm}^2$ (for plate) $\geq 6 \text{ N/mm}^2$ (for mortar/concrete)
Compressive strength:	$\geq 30 \text{ N/mm}^2$ (for mortar/concrete)
Shrinkage/expansion:	$\leq 0,1\%$
Workability:	35 min at 23°C
Sensitivity to water:	Pass (for mortar/concrete)
Modulus of elasticity:	$\geq 2000 \text{ N/mm}^2$
Coefficient of thermal expansion:	$\leq 100 \times 10^{-6} \text{ K}^{-1}$
Glass transition temperature:	$\geq 40^\circ\text{C}$
Reaction to fire:	Class B-s1,d0
Durability:	Pass
Dangerous substances:	NPD

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, 17/11/2022



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.

<i>Revision 1 notes:</i>	<i>Product unchanged, updated DoP layout</i>
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ADESILEX PG1
CE MARKING
Annex to DoP N. CPR-IT1/0007



 1305, 0497	 Via Cafiero, 22 – 20158 Milano (Italy) www.mapei.it
08 CPR-IT1/0007 EN 1504-4 ADESILEX PG1 <i>Bi-component epoxy resin for structural bonding in bonded plate reinforcement and bonded mortar or concrete for strengthening an existing concrete structure in building and civil engineering works</i>	
Bond/adhesion strength: Shear strength: Compressive strength: Shrinkage/expansion: Workability: Sensitivity to water: Modulus of elasticity: Coefficient of thermal expansion: Glass transition temperature: Reaction to fire: Durability: Dangerous substances:	Pull off strength: $\geq 14 \text{ N/mm}^2$ (for plate) Slant shear strength at degree (for plate): $50^\circ \sigma_0 \geq 50 \text{ N/mm}^2$ $60^\circ \sigma_0 \geq 60 \text{ N/mm}^2$ $70^\circ \sigma_0 \geq 70 \text{ N/mm}^2$ Pass (for mortar/concrete) $\geq 12 \text{ N/mm}^2$ (for plate) $\geq 6 \text{ N/mm}^2$ (for mortar/concrete) $\geq 30 \text{ N/mm}^2$ (for mortar/concrete) $\leq 0,1\%$ 35 min at 23°C Pass (for mortar/concrete) $\geq 2000 \text{ N/mm}^2$ $\leq 100 \times 10^{-6} \text{ K}^{-1}$ $\geq 40^\circ\text{C}$ Class B-s1,d0 Pass NPD

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 mistake