



**Latex Emulsion PLANICRETE**  
**National declaration on performance**  
**properties**  
**No. B-54**

**NATIONAL DECLARATION ON PERFORMANCE PROPERTIES No. B-54**

1. Name and trade name of the construction product: **Latex Emulsion PLANICRETE**
2. Marking of the construction product: **PLANICRETE**
3. Intended application or applications: **intended use as an addition for adhesive cement bonding slurries for screeds (including those made of TOPCEM binder) or repair mortars on screeds and also as an addition for the smoothing layers, renders and cement-based screeds for improving their strength properties**
4. Name and address of the producer's registered address and product manufacturing site:  
**MAPEI S.p.A. – Via Cafiero, 22 – 20158 Milan – Italy - www.mapei.it**  
**manufacturing site:**  
**Strada Provinciale 159, 20060 Robbiano do Mediglia, Milan, Italy**
5. Name and address of the registered office of the authorised representative, if applicable:  
**MAPEI Polska Sp. z o.o. – ul. G.Eiffela 14 – 44-109 Gliwice – Poland – www.mapei.pl**
6. National system for the assessment and verification of the constancy of performance properties:  
**System 3**
7. National technical assessment:
  - 7a. Product Polish Standard: **Not applicable**  
Name of the accredited certification body, accreditation number and national certificate number or the accredited name of the laboratory/laboratories and the accreditation number: **Not applicable**
  - 7b. National technical assessment: **ITB-KOT-2018/0743 of 2018**  
Technical assessment unit/National technical assessment unit: **Building Research Institute**  
Name of the accredited certification body, the accreditation number and the certificate number:  
**Not applicable**

8. Declared performance properties:

<b>Essential characteristics of the construction product for the intended application or applications</b>	<b>Declared performance properties</b>	<b>Comments</b>
<b>The smoothing layers, cement mortars and renders with the addition of PLANICRETE emulsion, for using in the screeds:</b>		



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<ul style="list-style-type: none"><li>- Linear shrinkage<ul style="list-style-type: none"><li>• mortar with PLANICRETE emulsion</li><li>• mortar without PLANICRETE emulsion</li></ul></li><li>- Flexural strength<ul style="list-style-type: none"><li>• mortar with PLANICRETE emulsion</li><li>• mortar without PLANICRETE emulsion</li></ul></li><li>• Compressive strength<ul style="list-style-type: none"><li>• mortar with PLANICRETE emulsion</li><li>• mortar without PLANICRETE emulsion</li></ul></li><li>• Adhesion strength to concrete substrate<ul style="list-style-type: none"><li>• mortar with PLANICRETE emulsion</li><li>• mortar without PLANICRETE emulsion</li></ul></li><li>• Volatile organic compounds (VOCs) emission – time necessary to reach allowable concentrations of dangerous substances</li></ul> <p>Cement mortars with the addition of PLANICRETE emulsion using as bonding slurry before laying the screeds:</p> <ul style="list-style-type: none"><li>- Adhesion of<ul style="list-style-type: none"><li>• cement mortar applied to the wet bonding layer on the concrete substrate</li><li>• cement mortar applied to the concrete substrate</li></ul></li></ul>	<ul style="list-style-type: none"><li><math>\leq 1,0</math> mm/m</li><li><math>\leq 1,0</math> mm/m</li><li><math>\geq 4,5</math> N/mm<sup>2</sup></li><li><math>\geq 2,5</math> N/mm<sup>2</sup></li><li><math>\geq 18,0</math> N/mm<sup>2</sup></li><li><math>\geq 16,0</math> N/mm<sup>2</sup></li><li><math>\geq 0,7</math> MPa</li><li><math>\geq 0,7</math> MPa</li><li><math>\leq 28</math> days</li><li><math>\geq 1,3</math> MPa</li><li><math>\geq 0,8</math> MPa</li></ul>	
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9. The performance properties of the above described product comply with all of the declared performance properties, referred to in (8). This national declaration of performance properties shall be issued in keeping with the Construction Products Act of 16 April 2004, on the exclusive responsibility of the producer.

Signed on behalf of the producer:

**Paolo Murelli – Corporate Quality Management**

Milan, 31/12/2018

*National declarations on performance properties in Pdf format are available in the Mapei Polska Sp. z o.o. website*

<i>Revision 1 notes:</i>	<i>The product unchanged. The national technical specification has been changed.</i>
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[www.mapei.pl](http://www.mapei.pl)

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**NDoPP No.: B-54**

**ITB-KOT-2018/0743 of 2018**

**Latex Emulsion PLANICRETE**

*PLANICRETE*

The smoothing layers, cement mortars and renders with the addition of PLANICRETE emulsion, for using in the screeds:

- Linear shrinkage

- mortar with PLANICRETE emulsion  $\leq 1,0$  mm/m
- mortar without PLANICRETE emulsion  $\leq 1,0$  mm/m

- Flexural strength

- mortar with PLANICRETE emulsion  $\geq 4,5$  N/mm<sup>2</sup>
- mortar without PLANICRETE emulsion  $\geq 2,5$  N/mm<sup>2</sup>

- Compressive strength

- mortar with PLANICRETE emulsion  $\geq 18,0$  N/mm<sup>2</sup>
- mortar without PLANICRETE emulsion  $\geq 16,0$  N/mm<sup>2</sup>

- Adhesion strength to concrete substrate

- mortar with PLANICRETE emulsion  $\geq 0,7$  MPa
- mortar without PLANICRETE emulsion  $\geq 0,7$  MPa

Volatile organic compounds (VOCs) emission – time necessary to reach allowable concentrations of dangerous substances  $\leq 28$  days

Cement mortars with the addition of PLANICRETE emulsion using as bonding slurry before laying the screeds:

- Adhesion of

- cement mortar applied to the wet bonding layer on the concrete substrate  $\geq 1,3$  MPa
- cement mortar applied to the concrete substrate  $\geq 0,8$  MPa