

**DECLARATION OF PERFORMANCE**

**N° 0333-CPR-8302**

1. Unique identification code of product-type : **Calcium aluminate cement EN 14647 - CAC**

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant Article 11(4) :

**CAC CE “50B”**

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

Préparation of concrete, mortar, grout, etc.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer, as required pursuant to Article 11 (5):

**Ternal® LC**

**IMERYS Aluminates S.A.S. - Usine de Fos sur Mer**

**BP 20001**

**13771 FOS SUR MER CEDEX**

5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):

Non applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 1+

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

The notified body, AFNOR Certification N° 0333, performed, under system 1+, the determination of the product-type on the basis of type testing (including sampling), the initial inspection of the manufacturing plant and of the factory production control, the continuous surveillance, assessment and evaluation of factory production control, the audit-testing of samples taken before placing the product on the market, and has issued the certificate of constancy of the product.

9. Declared performance

| Essential characteristics                             | Performance  | Harmonized technical specification |
|---|--|------------------------------------|
| Calcium aluminate cement constituents and composition | CAC  | EN 14647:2005                      |
| Compressive strength (6h and 24h)                     | CS6h≥18MPa<br>CS24h≥40MPa  |                                    |
| Setting time (IS)                                     | IS≥90 min  |                                    |
| Alumina content                                       | 35%≤Al <sub>2</sub> O <sub>3</sub> ≤58%  |                                    |
| Sulfide content                                       | S <sup>2-</sup> ≤0.10%   |                                    |
| Chloride content                                      | Cl <sup>-</sup> ≤0.10%   |                                    |
| Alkali content  | Na <sub>2</sub> O <sub>equivalent</sub> ≤0.40%<br>Na <sub>2</sub> O <sub>equivalent</sub> = Na <sub>2</sub> O+0.658xK <sub>2</sub> O |                                    |
| Sulfate (as SO <sub>3</sub> ) content                 | SO <sub>3</sub> ≤0.50%   |                                    |


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:

Jamel Mahiaoui  
Quality Manager



Fos sur Mer , 14/01/2022

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| <br>0333   |
| IMERYS Aluminates S.A.S.<br>43, Quai de Grenelle<br>75015 PARIS<br>Tel : +33 1 49 55 65 00<br><br>Usine de Fos sur Mer<br><br>13<br><br>0333-CPR-8302 |
| EN 14647<br><br>CAC<br><br>Preparation of concrete, mortar, grout, etc.<br><br>Declared performance is defined by the standard designation            |

|   |
|---|
| <i>Identification number of the certification body</i>  |
| <i>Name or identifying mark of the producer</i><br><i>Registered address of the producer</i><br><i>Name or identifying mark of the factory where the cement was produced</i><br><br><i>The last two digits of the year in which the marking was affixed</i><br><br><i>Number of the EC declaration of performance</i> |
| <i>Number of European Standard</i><br><br><i>Standard designation of product-type</i><br><br><i>Intended uses for the relevant standard</i><br><br><i>Performance declared</i>  |