

# DECLARATION OF PERFORMANCE

**N° 0333-CPR-2002**

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 "TERNAL RG"**

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® RG**

**IMERYS Aluminates S.A.S. - West Thurrock Plant**

**Dolphin Way, Purfleet**

**UK - ESSEX RM191NZ**

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 CS24h ≥ 40MPa	
Setting time (IS)	IS ≥ 90 min	
Alumina content	$35\% \leq \text{Al}_2\text{O}_3 \leq 58\%$	
Sulfide content	$\text{S}^2 \leq 0.10\%$	
Chloride content	$\text{Cl} \leq 0.10\%$	
Alkali content	$\text{Na}_2\text{O}_{\text{equivalent}} \leq 0.40\%$ $\text{Na}_2\text{O}_{\text{equivalent}} = \text{Na}_2\text{O} + 0.658 \times \text{K}_2\text{O}$	
Sulfate (as SO3) content	$\text{SO}_3 \leq 0.50\%$	

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:

**Malcom MARSH**

Quality Manager



West Thurrock 14/01/2022

 0333
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EN 14647  CAC  Preparation of concrete, mortar, grout, etc.  Declared performance is defined by the standard designation

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