

## DECLARATION OF PERFORMANCE [DOP]

According Annex III of the Regulation (EU) No 305/211

### DOP No. CAC(45) - 1

1. *Unique identification code of the product type:*

**ISTRA 45**

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

**Batch number is printed on the packaging, otherwise see attached documents**

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

**Preparation of concrete, mortar, grout and other mixes for construction and for the manufacture of construction products**

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



**Calucem d.o.o.  
Revelanteova 4  
52100 Pula  
CROATIA**

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

**Not relevant**

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 harmonized standard:*

**The notified testing laboratory Slovenian National Building and Civil Engineering Institute (ZAG Ljubljana), identification number 1404, performed:**

- **determination of the product-type on the basis of type testing (including sampling), type calculation, tabulated values or descriptive documentation of the product;**
- **initial inspection of the manufacturing plant and of factory production control;**
- **continuous surveillance, assessment and evaluation of factory production control;**

- audit-testing of samples taken before placing the product on the market

under System 1+ and issued : EC-Certificate of conformity 1404 – CPR – 2123.

8. In the case of the declaration of the performance concerning a construction product for which a European Technical Assessment has been issued:

**Not relevant**

9. Declared performance:

Essential characteristic	Performance	Harmonised technical specification
Calcium aluminate cement constituents and composition	Constitution of the calcium aluminate cement, defined on the basis of constituent.	EN 14647:2005; clauses 4, 5
Compressive strength (6h and 24h)	6h $\geq$ 18,0 MPa 24h $\geq$ 40,0 MPa	EN 14647:2005; clauses 7.1, 9
Setting time	$\geq$ 90 min	EN 14647:2005; clauses 7.2, 9
Alumina content	$35 \% \leq \text{Al}_2\text{O}_3 \leq 58 \%$	EN 14647:2005; clauses 7.3, 9
Sulfide content	$\text{S}^{2-} \leq 0,10 \%$	EN 14647:2005; clauses 7.3, 9
Chloride content	$\text{Cl}^- \leq 0,10 \%$	EN 14647:2005; clauses 7.3, 9
Alkali content	$\text{Na}_2\text{O}_{\text{equivalent}} \leq 0,4 \%$  $\text{Na}_2\text{O}_{\text{equivalent}} = \text{Na}_2\text{O} + 0,658 * \text{K}_2\text{O}$	EN 14647:2005; clauses 7.3, 9
Sulfate (as $\text{SO}_3$ ) content	$\text{SO}_3 \leq 0,5 \%$	EN 14647:2005; clauses 7.3, 9
Durability	-	Durability relates to the concrete, mortar and other mixes for construction made from calcium aluminate cement according to the application rules valid in the place of use.

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:

Calucem Management Board:

Chairman, Plant Manager: Alfred Blažina  
za proizvodnju specijalnih cementa

CALUCEM d.o.o.  
PULA (1)

Member, CFO: Gordan Pejković

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