



Cement

Declaration of Performance

Portland cement
EN 197-1:2011 - CEM I 52,5 R

Cementarnica USJE AD Skopje



DECLARATION OF PERFORMANCE

No. 009 – CPR –v2

1. Unique identification code of the product-type: **CEM I 52,5 R**
2. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer: **Preparation of concrete, grout, mortar etc.**
3. Name, registered trade name or registered trademark and contact address of the manufacturer as required pursuant to Article 11(5): **Cementarnica USJE AD Skopje, Boris Trajkovski No.94-1000 Skopje, R. of North Macedonia**
4. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2): **Not applicable**
5. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: **System 1+**
6. In case of the declaration of performance concerning a construction product covered by a harmonized standard: **EN 197-1:2011 (MKC EN 197-1:2012)**.
Notified product certification body No.1128 performed determination of the product type on the basis of type testing (including sampling), the initial inspection of the manufacturing plant and of factory production control, the continuous surveillance, assessment and evaluation of factory production control and the audit testing of samples taken before placing the product on the market under system 1+ and issued the certificate of constancy of performance with N° 1128-CPR-10.09.0278.01/06 and date 24.03.2022 year.
7. Declared performance/s:

Essential characteristics	Performance	Harmonized technical specification
Common cements (subfamilies) constituents and composition	CEM I CEM I 52,5 R	EN 197-1:2011 MKC EN 197-1:2012
Compressive strength (early and standard) MPa	52,5 R Pass ES(2d) ≥ 30,0; FS(28d) ≥ 52,5	
Setting time (Initial, min)	Pass/ ≥45	
Soundness (expansion) (mm)	Pass/ ≤ 10	
SO ₃ content (%)	Pass/ ≤ 4,0	
Chloride content (%)	Pass/ ≤ 0.1	
Loss on ignition (%)	≤ 5,0	
Insoluble residue (%)	≤ 5,0	
Content of water soluble Cr(VI) (ppm)	<2	

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7. 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:


 Chief Executive Director,
 Boris Hrisafov

Skopje, 09.10.2023

TITAN GROUP

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