



# Gray Cement

Declaration of Performance

Portland cement  
**EN 197-1 - CEM I 52,5N**

Patras Plant



## Declaration of Performance No 654-CPR-0071

1. Unique identification code of the product type:

**Portland cement EN 197-1 - CEM I 52,5N**

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

**See 1**

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

**Preparation of concrete, mortar, grout etc.**

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

**TITAN Cement SA, Patras Plant, 26500 Drepano, Ahaia, Greece**

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

**Not applicable**

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

**System 1+**

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

**Notified product certification body N° 654 performed the 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.**

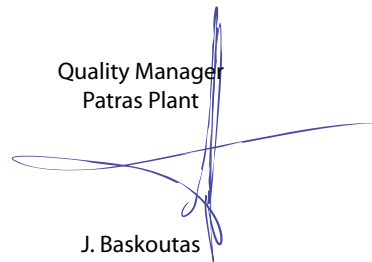
8. Declared performance

| Essential characteristics                                 | Performance | Harmonized technical specification |
|---|-------------|------------------------------------|
| Common cements (subfamilies) constituents and composition | CEM I       | EN 197-1:2011                      |
| Compressive Strength (early-standard)                     | 52,5N       |                                    |
| Setting time  | Pass        |                                    |
| Insoluble residue   | Pass        |                                    |
| Loss on ignition  | Pass        |                                    |
| Soundness   |             |                                    |
| - Expansion   | Pass        |                                    |
| - SO <sub>3</sub> content                                 | Pass        |                                    |
| Chloride content  | Pass        |                                    |

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. 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:

Quality Manager  
Patras Plant



J. Baskoutas  
Drepano, June 28<sup>th</sup>, 2013