



CEM I 42.5 N & R

Portland Cement



Portland Cement, preferable to use in the normal uses of cement.

www.nccegypt.com

CEM I 42.5 N

Standard specification	Result	specifics
chemical composition		
	20.38 %	SiO ₂
	4.77 %	Al ₂ O ₃
	3.75 %	Fe ₂ O ₃
	62.44 %	CaO
Max 5.0	1.25 %	MgO
Max 3.5	2.53 %	SO ₃
	0.23 %	K ₂ O
	0.43 %	Na ₂ O
< 0.10	0.04 %	CL
< 2 ppm	1.75 ppm	Cr+6
Max 5.0	0.64 %	Insoluble residue
Max 5.0	3.43 %	Loss on ignition
	52.07 %	C ₃ S
	19.14 %	C ₂ S
	6.29 %	C ₃ A
	11.40 %	C ₄ AF
Physical properties		
	3330 cm ² /g	Fineness (Blaine)
Max 10	0.50 mm	Expansion
Compressive strength		
Min 10	20.33 MPa	2 Days
Min 42.5	46.82 MPa	28 Days
Min 60	175 Minutes	Initial Setting Time
	241 Minutes	Final Setting Time
	0.65 %	Free Lime



According to Egyptian standard norm 4756 -1 / 2013
and technically comply with BS EN 197 -1 / 2011



EC-CERTIFICATE

of Constancy of Performance

No 0906 – CPR – 20000250012494 / 03

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction products Regulation or CPR), and also in accordance with TÜV AUSTRIA procedures, this certificate applies to the construction product:

PORTLAND CEMENT, CEM I 42.5 N



Placed on the market under the name
National company for Cement in Bani Suef (NCC)

Head Office: Tower 5 [nfront of Police Academy and next to the Armed Officers Club & Jewel Hotel]- Zahraa Nasr City, Cairo, EGYPT

and produced in the manufacturing plant

NATIONAL COMPANY FOR CEMENT (NCC)

Plant: Bayad Al Arab Industrial Zone -Beni Suef, Egypt

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s):

EN 197-1:2011

under system 1+ for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

constancy of performance of the construction product

This certificate was first issued on **2025-01-16** and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified factory production control certification body or at the latest until **2028-01-15**.

Maria Agapitou
Head of Management Systems & Products Certification Division
Certification Body
at TÜV AUSTRIA

Athens, 2025-05-19

This certification was conducted in accordance with TÜV AUSTRIA auditing and certification procedures and is subject to regular surveillance audits.

TÜV AUSTRIA HELLAS
429, Mesogeion Ave.
GR-153 43 Athens, Greece
www.tuvaustriahellas.gr
GEMI No.: 1650201000



CePK525e

Headquarters in Athens bear the responsibility of the Certification decision

ZERTIFIKAT | CERTIFICATE | CERTIFICAT | CERTIFICADO | СЕРТИФИКАТ | شهادة | 证书 | 인증서