NOVALINK SOLUTIONS

TECHNICAL DATA SHEET
Grey cement · Ref. NL-TDS-12

GREY CEMENT CEM II/A-L 42.5 N

STANDARD NA 442 (2013) / CE / EN 197-1 (2011)

STRENGTH AT 28 DAYS	FINENESS	PACKAGING	UPDATED
≥ 42.5 MPa	**3200 - 4200 cm²/g**	**Bulk / 1.5 T Big Bags**	**May 2026**

OVERVIEW

Portland cement with limestone for all construction work requiring high strength. Also recommended for structures (bridges, tunnels, etc.), infrastructure and building superstructures. Conforms to the Algerian Standard NA 442-2013 (EN 197-1).

DOMAINS OF APPLICATION

- All construction work requiring high strength and deferred formwork removal.
- Large structures, reinforced and unreinforced concrete.
- Sprayed concrete, pumped concrete and concrete for sealing.
- Concrete articles and industrial prefabrication (blocks, inlays, etc.).
- Concreting in cold or hot weather.
- Self-compacting concrete.

CHEMICAL ANALYSIS

Sulphur Trioxide (SO_3)	**< 2.5 %**
Chloride content (Cl)	**< 0.1 %**
Magnesium Oxide (MgO)	**< 1 %**
Loss On Ignition (LOI)	**0.5 - 8.5 %**

CLINKER MINERALOGICAL COMPOSITION (BOGUE)

C_3S	**60 ± 3 %**
C_3A	**3 - 7.5 %**

PHYSICAL PROPERTIES

Normal Consistency	**26 to 28 %**
Initial Setting Time (minutes)	**≥ 60 min**
Final Setting Time (minutes)	**150 to 350 min**
Hot expansion (mm)	**< 5 mm**
Fineness (SSB)	**3200 - 4200 cm²/g**

COMPRESSIVE STRENGTH

7 days (EN 196-1)	**≥ 10 MPa**
28 days (EN 196-1)	**≥ 42.5 MPa**

Typical average values.

NOVALINK Solutions Ltd
47B South Street · Valletta VLT1101 · Malta · Reg. No. C113601
info@nova-linksolutions.com
www.nova-linksolutions.com