



PORTLAND CEMENT WITH LIMESTONE



1 - STANDARDS AND SPECIFICATIONS :

The Tunisian standard NT 47-01.
The European standard : EN 197-1 : 2011

2 - PACKAGING :

- ◆ Bag of 50 Kg on the pallets or /and flatbed truck.
- ◆ Bulk.

3 - APPLICATIONS :

- ◆ Foundation, underground work non-aggressive.
- ◆ Concrete road.
- ◆ Coat.
- ◆ Precast elements in reinforced concrete.
- ◆ Reinforced concrete or not.
- ◆ Paving, industrial floors.
- ◆ Soil stabilization.
- ◆ Agglomerates.
- ◆ Current masonry.

4 - CAUTIONS FOR IMPLEMENTATION

- ◆ Respect the dosages according to type of structure.
- ◆ Use clean water, unsalted and unsweetened.
- ◆ Use suitable, clean aggregates for making concrete and mortar.

5 - COMPONENTS:

Constituents used without consideration of gypsum.

Limestone	Clinker
6-20	80-94

NB: Gypsum content $\leq 5\%$

6 - CHEMICAL CHARACTERISTICS AND MINERALOGICAL :

Chaux CaO	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	MgO	K ₂ O	Na ₂ O	SO ₃	Cl
$\geq 60\%$	$\geq 17\%$	$\geq 4\%$	$\geq 2,5\%$	$\leq 2\%$	$< 1\%$	$< 1\%$	$\leq 3,5\%$	$\leq 0,1\%$

7 - PHYSICAL AND MECHANICAL CHARACTERISTICS :

Starting setting time	≥ 130 min
Stability	≤ 10 mm
Strenght 28 days	≥ 32.5 MPa et ≤ 52.5 MPa
Early strenght (7 days)	> 20 MPa
Blaine Specific Surface area SSB	≥ 3200 cm ² /g