



PORTLAND CEMENT WITH LIMESTONE



1 - STANDARDS AND SPECIFICATIONS :

The Tunisian standard NT 47-01.

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 3%	\leq 5%	$<$ 1%	$<$ 1%	\leq 3.5%	\leq 0.1%

7 - PHYSICAL AND MECHANICAL CHARACTERISTICS :

Starting setting time	\geq 60 min
Stability	\leq 10 mm
Strenght 28 days	\geq 42.5 MPa et \leq 62.5 MPa
Early strenght (2 days)	$>$ 10 MPa
Blaine Specific Surface area SSB	\geq 3200 cm ² /g