

PORTLAND CEMENT

TS EN 197-1

(CEM I 42,5 R)

THE USAGE OF CEM I 42.5 R

It's a general purpose cement suitable for all uses where the special properties of the other types are not required. It is generally used in works requiring high strength values. It's used in concrete include pavements, floors, reinforced concrete buildings, tunnel form applications, bridges, tanks, reservoirs, pipe, masonry units and precast concrete products.

PRODUCT INFORMATIONS

Standard Definition: It is a hydraulic binder. Portland cement is produced by grinding clinker and a certain amount of gypsum($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$) together. The gypsum is used in cement for regulation of the setting time.

Content : [%95 Portland Cement Clinker + % 5 Minor Additive]+ % 5 Gypsum

CE No:  1784-CPD-0153

Standard Chemical Properties

Loss on ignition	≤ % 5
Insoluble residue	≤ % 5
Sulphur trioxide (SO_3)	≤ % 4,0
Chloride (Cl^-)	≤ % 0,1

Standard Physical Properties

Initial setting time	≥ 60 min
Soundness	≤ 10 mm
2 days compressive strength	≥ 20,0 MPa
7 days compressive strength	-
28 days compressive strength	≥ 42,5 MPa ≤62,5 MPa

The other properties

Specific Surface (Blaine)	-	cm^2/g
Density	-	ton/m^3

Our Products;

Should be protected against humidity
Should not be stowed in pile more than 10 bags
Should not be kept in stock more than three months
Should be used in accordance with EUROPEAN STANDARD

BURSA CEMENT FACTORY IS A MEMBER OF TURKISH CEMENT MANUFACTURERS ASSOC.