



**BURSA ÇİMENTO
FABRİKASI A.Ş.**

PORTLAND COMPOSITE CEMENT

TS EN 197-1

CEM II/A-M (P-L) 42,5 R

THE USAGE OF CEM II / A-M (P-L) 42.5 R

It's used in general purpose application. 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. Moreover it's used in aggressive medium (including SO_4 , Cl^-). It has moderate sulfate resistant properties because it contains no more than 8% tricalcium aluminate(C_3A). The heat of hydration is lower than CEM I 42.5 R

PRODUCT INFORMATIONS

Standard Definition: It is a hydraulic binder. Portland composite cement is produced by grinding clinker and a certain amount of gypsum($CaSO_4 \cdot 2H_2O$) and a mixture of additive(%6-20) together. The gypsum is used in cement for regulation of the setting time. The additive which is used in cement can be selected according to the situation among the puzzolana, fly ash, blast furnace slag, silica fume, limestone, calcined shale.

Content : [%80 Portland Cement Clinker + %14 Puzzolana (Trass) + % 6 Limestone] + %5 Gypsum

CE No:  1784-CPD-0154

Standard Chemical Properties

Sulphur trioxide (SO_3) \leq % 4,0

Chloride (Cl^-) \leq % 0,1

Standard Physical Properties

Initial setting time \geq 60 min

Soundness \leq 10 mm

2 days compressive strength \geq 20,0 MPa

7 days compressive strength -

28 days compressive strength \geq 42,5 MPa \leq 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.