

CEM I 52,5R
WHITE PORTLAND CEMENT
PRODUCT TECHNICAL DATA SHEET

MANUFACTURER:

Oyak Çimento Fabrikaları A.Ş.
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PRODUCT DESCRIPTION:

Finely ground white portland cement clinker mixed with a small amount of gypsum (calcium sulfate dihydrate). The white portland cement clinker is made by heating to high temperature a mixture of special substances such as limestone, sand, clay and shale. White portland cement CEM I 52,5R is essentially hydraulic calcium silicates contained in a crystalline mass, not separable into individual components and not contain Cr(VI) because of special substances used.

CHEMICAL AND PHYSICAL PROPERTIES:

Properties	Standard Requirements
SO3 (%)	≤ 4
Insoluble residue (%)	≤ 5
Loss on ignition (%)	≤ 5
Initial setting time(min.)	min. 45
2 Days compressive str, (MPa)	min. 30
28 Days compressive str, (MPa)	min. 52,5
Whiteness (%)	-
Soluble Cr (VI), ppm	Max. 2

QUALITY CONTROL:

Strict quality assurance and quality control procedures are applied to ensure optimum product performance and uniformity. CEM I 52,5R meets all the requirements of EN 197-1:2011 standards and has Certificate of Constancy of Performance approved by Council for Quality and Environment.

Also Adana Cement Industry Inc. has Integrated Management System which consists TS-EN-ISO 9001:2008 Quality Management System, TS-EN-ISO 14001:2005 Environmental Management System, OHSAS 18001:2014 Occupational Health & Safety Management System and TS-EN-ISO 50001:2011 Energy Management System.

PRECAUTIONS:

White portland cement is a white powder. When mixed with water, white portland cement becomes highly caustic (pH > 12) and will damage or burn (as severely as third-degree) the eyes or skin. Inhalation may cause irritation to the moist mucous membranes of the nose, throat and upper respiratory system or may cause or may aggravate certain lung diseases or conditions. Use exposure controls or personal protection methods described in MSDS.

DELIVERY:

Transportation is by rail, road or ship – in bag or bulk form. Keep in moisture-proof containers/silos to prevent hardening.

CEM II-B/LL 42,5R
WHITE PORTLAND LIMESTONE CEMENT
PRODUCT TECHNICAL DATA SHEET

MANUFACTURER:

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PRODUCT DESCRIPTION:

Finely ground white portland cement clinker mixed with limestone about 25% and a small amount of gypsum (calcium sulfate dihydrate).

The white portland cement clinker is made by heating to high temperature a mixture of special substances such as limestone, sand, clay and shale.

CHEMICAL AND PHYSICAL PROPERTIES:

	White Portland Cement Clinker	CAS #65997-15-1
CaCO ₃	Limestone	CAS #1317-65-3
CaSO ₄ •2H ₂ O	Gypsum	CAS #13397-24-5

PHYSICAL PROPERTIES:

Properties	Standard Requirements
SO ₃ (%)	≤ 4
Initial setting time(min.)	min. 60
2 Days compressive str, (MPa)	min. 20
28 Days compressive str, (MPa)	42,5 - 62,5
Whiteness (%)	-
Soluble Cr (VI), ppm	Max. 2

QUALITY CONTROL:

Strict quality assurance and quality control procedures are applied to ensure optimum product performance and uniformity. CEM II/B-LL 42,5R meets all the requirements of TS-EN 197-1:2012 standards and has EC – Certificate of Conformity approved by Council for Quality and Environment.

Also Adana Cement Industry Inc. has Integrated Management System which consists TS-EN-ISO 9001:2008 Quality Management System, TS-EN-ISO 14001:2005 Environmental Management System, OHSAS 18001:2014 Occupational Health & Safety Management System and TS-EN-ISO 50001:2011 Energy Management System.

PRECAUTIONS:

White portland limestone cement is a white powder. When mixed with water, white Portland limestone cement becomes highly caustic (pH > 12) and will damage or burn (as severely as third-degree) the eyes or skin. Inhalation may cause irritation to the moist mucous membranes of the nose, throat and upper respiratory system or may cause or may aggravate certain lung diseases or conditions. Use exposure controls or personal protection methods described in SDS.

DELIVERY:

Transportation is by rail, road or ship – in bag or bulk form. Keep in moisture-proof containers/silos to prevent hardening.