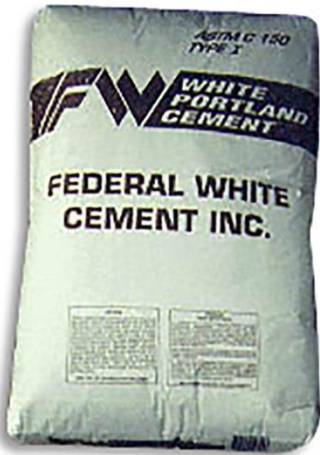


PORTLAND CEMENT, WHITE

PRODUCT DESCRIPTION

Federal White Type I Cement is a true portland cement manufactured with selected raw materials to insure negligible amounts of iron and manganese oxides so as not to produce the gray color of normal portland cement.



BASIC USE

Federal White Cement can be used for all types of architectural or structural concrete construction where a whiter or brighter color may be needed for aesthetic or safety reasons. Such application as pre-cast panels and systems, cast-in-place, masonry units, tilt-up panel systems, roofing tiles, terrazzo floors, highway median barriers, tile grout, swimming pools, stucco, colored masonry products, cement paints and coatings and ornamental precast concrete items lend themselves to using Federal White Cement. Federal White Cement may also be used to satisfy low alkali requirements.

TECHNICAL DATA

Federal White Portland Cement is manufactured to conform to all current requirements of ASTM Designation C-150. See table for physical properties.

PHYSICAL PROPERTY	FEDERAL WHITE Typical Type I	ASTM C - 150 Specification Type I
Fineness:		
Specific Surface (sq. m / kg)	400	280 minimum
Setting Time - Vicat		
Minutes	120	
not less than		45
not more than		375
Air Content %	8	12 maximum
Compressive Strength, psi(MPa)		
1 day	2000 (13.8)	--
3 day	3900 (26.9)	1740 (12.0) minimum
7 day	4800 (33.1)	2760 (19.0) minimum
28 day	6500 (44.8)	--



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PRECAUTIONS

Direct contact with wet cement should be avoided. If contact occurs, the skin should be washed with water as soon as possible. Exposure can cause serious, potentially irreversible tissue destruction in the form of chemical (caustic) burns. If cement gets into the eyes, immediately rinse thoroughly with water and seek medical attention. For more information, reference the applicable Material Safety Data Sheet (MSDS).

USE AND LIMITATIONS

Federal White Type I Portland Cement complies with the current ASTM C-150. Federal White Cement makes no guarantee or warranty, expressed or implied, including, without limitation, warranties of fitness or merchantability with respect to this product.

Architect should approve the color and surface texture of samples submitted by the contractor or precaster.

PACKAGING

Federal White Cement is available in 40 kg (88 lb) bag 40 bags /pallet.

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