



Oreworld trade (Tangshan) co., Ltd.

White Portland cement



White Portland cement or white ordinary Portland cement (WOPC) is similar to ordinary, gray Portland cement in all respects except for its high degree of whiteness. Obtaining this color requires substantial modification to the method of manufacture, and because of this, it is somewhat more expensive than the gray product.

White Portland cements produce clean, bright colors, especially for light pastels. Many different colors can be created by adding pigments to concrete made with white Portland cement. Two or more pigments can be combined to achieve a wide range of colors. [White Portland cement](#) (or a mixture of white and gray cement) can be specified to provide a consistent color of choice. An even greater variety of decorative looks can be achieved by using colored aggregates and varying the surface finish treatment or texture.

White Portland cement Specification:

white Portland cement in GB2015-91 standard Grade	White Portland cement 32.5	White Portland cement 42.5
SO ₃	<3.5%	<3.5%
MgO	<4.5%	<4.5%
Fineness,0.08mm,residue	<10%	<10%
Initial setting	>45min	>45min
Final setting	<12hours	<12hours
Compressive Strength		
3 days	14Mpa	18Mpa
7 days	20.5Mpa	26.5Mpa
28 days	32.5Mpa	42.5Mpa
Bending Strength		



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3 days	2.5Mpa	3.5Mpa
7 days	3.5Mpa	4.5Mpa
28 days	5.5Mpa	6.5Mpa

White Portland cement Application:

White Portland cement is used in combination with inorganic pigments to produce brightly colored concretes and mortars. Ordinary cement, when used with pigments, produces colors that may be attractive, but are somewhat dull. With white Portland cement, bright reds, yellows and greens can be readily produced. Blue concrete can also be made, at some expense. The pigments may be added at the concrete mixer. Alternatively, to guarantee repeatable color, some manufacturers supply ready-blended colored cements, using white Portland cement as a base.

White Portland cement Packing:

by 50kgs bag. Store in shady, cool and dry place. Avoid stamp and mix with other substance.