Lafarge Portland Cement is a high quality, cost-effective basic building material used in virtually all forms of construction, from hospitals and homes to schools, tunnels and airports. Lafarge Portland Cement meets or exceeds all applicable chemical and physical requirements of ASTM C 150.

Product Description

Portland Cement
ASTM C 150 Type I, Type IA, Type II, Type III, Type V

Basic Use: Lafarge Portland Cement is a cost-effective basic building material. It can be used in a wide variety of commercial and architectural concrete construction applications. Uses include cast-in-place, pre-cast, tilt-up, water tanks, drains, bridges, roads, pipes, concrete masonry units, pre-stressed concrete members, masonry mortars and grouts.
Type I – This is a general-purpose cement suitable for all uses where the special properties of other types of portland cement are not required.

Type IA – This cement contains an additive that will entrain air bubbles to aid in durability when concrete is exposed to freezing temperatures.

Type II – For general use, especially when moderate sulfate resistance or moderate heat of hydration is desired.

Type III – This cement provides high early strength when compared with Type I.

Type V – This is for use when high sulfate resistance is desired. Type V generally gains strength more slowly than Type I.

Options
Select Lafarge North America manufacturing plants produce air-entrained (Type IA) portland cement that contains an additive that will entrain air bubbles to aid in durability when concrete is exposed to freezing temperatures. Certain locations manufacture cements meeting the optional physical and chemical requirements of ASTM. AASHTO cements are available in certain geographic areas. Contact your Lafarge Cement representative for product use and availability.

Technical data
Lafarge Portland Cement meets or exceeds all applicable chemical and physical requirements of ASTM C 150.

Use and limitations
Lafarge North America manufactures all products in accordance with strict QA/QC (quality assurance and quality control) procedures to ensure optimum product performance and uniformity. There are many variables that affect concrete performance that are beyond the control of the cement manufacturer. Good concreting practices in accordance with the American Concrete Institute are required to achieve desired results. Skilled persons should use these products with special attention given to formwork, batching, mixing, placing, finishing and curing. In most applications, quality aggregates, admixtures and additives should be utilized. For detailed information, contact your Lafarge North America sales office.

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 Lafarge Material Safety Data Sheet (MSDS). The MSDS should be consulted prior to use of this product and is available upon request and online at www.lafargenorthamerica.com.