CEMENT

MARMOPEDIA
BUILDING MATERIALS

JALLAN
CONCRETE
YOUR CONCRETE SOLUTION

Cement

Cement is a bonding material having cohesive and adhesive properties which makes it capable of uniting the different construction materials and forming the compressed assembly. Marmopedia trades cement bags and bulkers from prestigious brands like ACC Cement, Ambuja Cement, Bharti Cement, JSW Cement, India Cement, Dalmia Cement, J.K Lakshmi and Sanghi Cement. With the highest BIS standards rating and best quality raw materials available, Marmopedia delivers tailor-made building solutions through the following product range:

53 Grade (OPC)

53 Grade OPC provides higher strength and durability to structures and is the most preferred building and construction material for projects that require high tensile strength. As per BIS requirements, the minimum 28 days compressive strength of 53 Grade OPC should not be less than 53 MPa. For specialized works such as pre-stressed concrete and precast concrete, 53 Grade OPC is found most useful. 53 Grade OPC produces higher-grade concrete that is economical. In concrete mix design for M-20 and above grades, a saving of 8 to 10% of cement may be achieved with the use of 53 Grade OPC.

Applications of 53 Grade OPC:

➢ Portland Pozzolana Cement (PPC)

This type of cement is produced by either inter-grinding or intimately blending with definite quantities of gypsum and Pozzolanic materials in certain proportions. Grinding the OPC clinker, gypsum and Pozzolanic materials separately and thoroughly blending them in certain proportions is also an alternate way. Pozzolanas, by themselves, do not have cementitious properties. However, they react with calcium hydroxide in the presence of moisture at an average temperature to form compounds having similar properties. The Pozzolanic materials commonly used are calcined clay, volcanic ash, fly ash and silica fumes.

➢ Portland Slag Cement (PSC)

Slag cement is a recovered by-product of the iron manufacturing process. It can be used to replace a portion of Portland cement in the

concrete mix design. The use of slag cement has demonstrated enduring performance enhancements allowing designers to reduce the environmental footprint of concrete while improving performance and increasing durability. There are different applications of slag cement, including mass concrete, flatwork, concrete paving, soil stabilization and more.

Types of cement:

Cement OPC 43 | Cement OPC 53 | Cement PPC | Premium Cements

Brands we deal with:

ACC cement

Ambuja Cement

The India Cements Ltd

Bharathi CEMENT

SANGHI CEMENT
Turning Dreams into Concrete Reality

JSW Cement

Dalmia Bharat Cement