

A REVIEW ON HIGH PERFORMANCE CONCRETE

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ABSTRACT

High-performance concrete (HPC) is widely used in large scale concrete constructions that require high strength, high flow ability and high durability. Various studies are performed on high performance concrete with respect to workability, strength and durability. The effect of various mineral admixtures on HPC is studied. The incorporation of various mineral and chemical admixtures is found to increase the strength and durability of HPC. The deformability of concrete and fracture properties of HPC was investigated. The effect of temperature variation on HPC was also studied. HPC is a highly promising building material and has wide range of application due to its exceptional properties.

KEYWORDS: High Performance Concrete, High Strength Concrete, Permeability, Drying Shrinkage