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MetaMax[®]

High-quality Pozzolanic Additive for Concrete

Product Description

MetaMax is a high reactivity metakaolin (HRM) pozzolan produced by thermal activation of kaolin within a specific temperature range. MetaMax is a high purity white mineral admixture that meets or exceeds all specifications of ASTM C-618 Class N pozzolans. MetaMax reacts with free lime produced during hydration of cement and produces additional cementitious material. Unlike other pozzolanic materials, MetaMax is not a by-product but is manufactured to exact specifications in order to maintain high whiteness, high reactivity, ultra-fine particle size distribution and lot-to-lot consistency.

Application Information

MetaMax is designed for use in a range of concrete applications including precast, ready mix, manufactured concrete products (MCP), and plaster. The pozzolanic properties of MetaMax yield superior strength and durability while simultaneously protecting against chemical attack, specifically efflorescence and alkali-silica reaction (ASR).

Physical Properties	Typical Value
Physical Form	Highly Pulverized Powder
Special Modifications	Dehydroxylated
GE Brightness (%)	85
Screen Residue, 325 Mesh (%)	0.05
Free Moisture (%) measured at 105°C	0.5
pH (20% solids)	6
Median Particle Size, Sedigraph (µm)	1.3
Specific Gravity	2.50
Bulk Density, Loose lb/ft ³ (kg/m ³)	18 / 260
Bulk Density, Tamped lb/ft ³ (kg/m ³)	30 / 480

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