

# KaoCem

High Reactive Metakaolin-White



## SALIENT FEATURES

- Stimulates & increases Cement hydration process
- Optimizing Cement Hydration
- Densifying the structure of the hydrated cement paste.
- Unique & Uniform particle size distribution for Better Viscosity
- Reacts early and rapidly
- Binds Alkali Ions
- Unique Calcination (<800° C) to ensure optimized pozzolanic reactivity
- Reduces Rapid Chloride Ion Permeability
- Reduce autogenous and drying shrinkage
- Improved handling & colour matching
- Gives sufficient Frost resistance

**ORIGIN: India**

**Item Code: MKW**

## BENEFITS

- Enhance Production Efficiency
- High Early Age Strength
  - 1st day >45%, 3rd day >70%, 7th day >95%
- Reduced initial and final set times
- Enhanced Concrete Durability
- Cohesive Concrete
- Increases resistance to sulfate attack and chloride ion ingress
- Better Aesthetic of Concrete
  - Minimized Cracks or No Cracks
  - Stain Free Finished Product
  - Lighten Colour of Grey Concrete
- Reduced Water Ingress
- Reducing concrete's susceptibility to alkali-silica reaction

Chemical Analysis	Typical
SiO <sub>2</sub> + Al <sub>2</sub> O <sub>3</sub>	>95.0%
Fe <sub>2</sub> O <sub>3</sub>	<0.5%
Alkaline Impurities	<0.8%
Loss on Ignition	<1.5%

**Recommendation as per Indian Standard: IS 1489 (PART -2) : 1991**

**Complies to Standards: ASTM C 618 CLASS N (International Std.)**

## PHYSICAL PROPERTIES TYPICAL

Appearance	: White Free Flowing Powder
Amorphous Content	: >86%
BET Surface Area	: m <sup>2</sup> /gm ≥10
Dosages	: 5 to 22% of Cement weight
Average Particle size	: 0.8μ - 1.2 μ
Bulk Density	: (Gms/Ltr) 320 to 350
Specific Gravity	: 2.6
Packaging	: 25kgs HDPE Laminated Bags/ 50Kgs Jumbo Bags

## Application

- Precast
- Exposed Concrete,
- Architectural Concrete,
- High Performance Concrete

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