

KaoCem

Metakaolin - High Reactive MetaKaolin



PHYSICAL PROPERTIES

Colour	: Off-White to pinkish coloured Free Flowing Powder
Amorphous Content	: >70%
BET Surface Area m ² / gm	: ≤9
Dosages	: 5 to 12% of Cementitious weight
Bulk Density (Kg / M ³)	: 28 ppm.
Specific Gravity	: 2.6

TYPICAL

CHEMICAL ANALYSIS

SiO ₂ + Al ₂ O ₃	: >85%
Fe ₂ O ₃	: <1.5%.
LOI	: <2%
Application	: • Cement Sheet Manufacturing • Paver Block • Low grade concrete (m20 to M45)
Packaging	: 25kgs HDPE Laminated Bags/ 750Kgs Jumbo Bags

TYPICAL

ORIGIN: India

ITEM CODE: MKP

**Complies to standards: ASTM C 618
CLASS N**

BENEFITS

- Cohesive Concrete
- Good Workability
- Optimized W/C ratio
- Reduced initial and final set times
- Better Aesthetic of Concrete
 - Minimized Cracks or No Cracks
 - Stain Free Finished Product
- Increases resistance to sulphate attack and chloride ion ingress Reduced Water Ingress
- Reducing concrete's susceptibility to alkali-silica reaction
- Freedom to choose chemical admixture
- Longer Shelf life

BENEFITS

- Stimulates & increases Cement hydration process
- Optimizing Cement Hydration
- Densifying the structure of the hydrated cement paste.
- Unique & Uniform particle size distribution for Better Viscosity
- **Being naturally produced pozzolan it hold pozzolanic reactivity for longer duration. This ensures longer shelf life.**
- 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
- Compatible with major brand of admixture

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