

Medium Density Coarse Particles KCM020

1. Introduction

Conventional high density cement slurries are prepared by adding regular weighting agents such as hematite or barite, reducing the amount of cement and water by adding dispersant to maintain slurry system pumpability. For high density cement slurries (more than 1.89 g/cc), the compressive strength is hard to achieve if there is not enough cement in the slurries.

Medium density particles KCM020 is specifically designed in PETCem cement systems to prepare high density (1.89 to 2.10 g/cc) cement slurries.

2. Physical Properties and Hazards

Additive	Form	S.G.	Water Solubility	Melting/Flash Point (°C)	Health Hazard	Physical Hazard	pH
KCM020	Gray Particles	2.59-2.79	Insoluble	Not Combustible	Eyes, Inhalation	Dust	N/A

3. Chemical Properties and Application

KCM020 is medium density inorganic particulates that can be added into cement systems to increase slurry density. Engineeringly-designed particle size of KCM020 allows more cement and less water to be added into cement slurries so that high density is achieved while maintaining cement slurry pumpability.

Theoretically KCM020 can be used at any applicable cementing temperatures and densities due to its chemical and physical natures.

KCM020 is compatible with most cement additives and can be used in fresh, salt and seawater cement slurries.

4. Treatment

Job designing tool is available to calculate amount of KCM020 required in cement slurry. Please contact field engineers for advice.

5. Packaging

KCM020 is supplied in plastic-lining bags with net weight of 25 kg/sack.

It should be stored in shaded areas with good ventilation. Keep it away from high temperature, humidity, and direct sunlight.