TEBA OVERSEAS
construction material

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Teba Silica Slurry

TECHNICAL DATA SHEET [T.D.S]

A slurry of TEBA Silica dioxide for increasing compressive strength and improve physical properties.

DESCRIPTION:

Teba Silica Slurry (Pozzolanic Material) high active when mixed with cement. It improves chemical and physical properties of both fresh and hard concrete with cement content not less than 350 kg/m3 according to the American specifications ASTM-C1240.

USES:

Liquid product of high grade TEBA Microsilica contains silicon dioxides:

- **As replacement for silica powder.**
- **A wide range of applications where a high ultimate strength and durability is requested.**
- **Chemicals work, foundry floors, docksides and applications subjects to wet and salty conditions**

ADVANTAGES:

- **TEBA SILICA SLURRY is compatible with all products of chemical admixtures that meet ASTM C-494.**
- **High density, high strength, reduce permeability and high tension.**
- **Reduce abrasion and absorption.**
- **High and rapid soluble in concrete.**
- **No bleeding of concrete when high dose of other admixtures of ASTM C-494 is used.**
- **Superior cohesion pumping properties.**
- **Easy for handling and safe.**

TECHNICAL DATA:

Chemical Basis: Silicon Dioxide Polymer

Color : Grey

Density: 1.4 ± 0.05

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PH: 7 ± 2

Validation : 1 Month

Solid Content : Solid: Water 50% ± 10%

Package : Drum: 210 liter Tanks: 1000 liter

APPLICATION DOSAGE:

- **5 : 20% of cement weight per m3 according to the required strength (O.P.C., S.R.C., H.S.C. … etc.) at the site application.**

STORAGE:

- **Shaded (protected of sun light), dry area (5:40 °c).**
- **Package must be re-closed tightly after use.**
- **Storing tanks should be agitated, periodically, to present precipitation.**

DISPENSING:

- **Laboratory trials shall be carried out initially to determine the suitable percent according to the required concrete.**
- **TEBA SILICA SLURRY is added to the mix into concrete mixer automatically (by pumping motor).**
- **Mixing water is to reduce by (40: 50%) of TEBA SILICA SLURRY weight.**
- **Used tools, shall be washed directly by water after use.**

ECOLOGY:

- **Do not dispose of into soil or water, but according to local regulations.**

TOXICITY: • **Nontoxic.**