

MICROFINE CEMENT

Ultrafine Cement for Speciality Grouting Applications

Description

MICROFINE CEMENT is a blast furnace slag-based ultrafine cement intended for specialty grouting applications. With a maximum particle size of ten microns and a median particle size of three microns, MICROFINE CEMENT is able to penetrate very small openings such as soil pores and microscopic rock fissures in order to improve strength and reduce permeability.

Advantages

- Excellent permeation with high in-place strength and durability
- Ability to adjust superplasticizer type and dosage to achieve specified results
- Proven, highly predictable design with a long record of successful projects
- Adjustable water/cement ratio allows grout to be formulated to meet specific project requirements
- Brine tolerant and resistant to chemical attacks, including sulphate attack

Where to Use

Application – MICROFINE CEMENT is used for water cut-off grouting and pre-excavation grouting in tunnel construction, foundation and consolidation grouting of dams and embankments, maintenance grouting of existing dams and tunnels, foundation stabilization of new and existing structures, consolidation of soils to prevent liquefaction, and consolidation of poor soils.

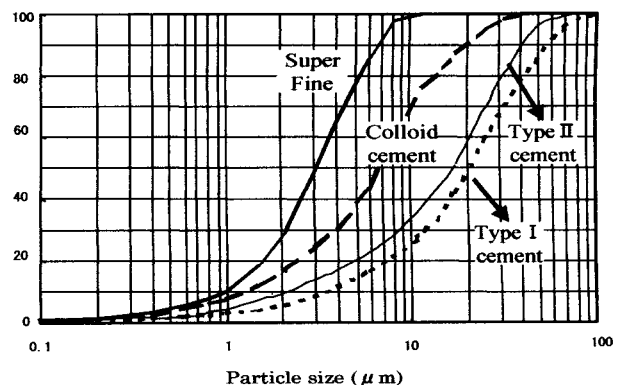
How to Use

Preparation – Conduct on-site tests in advance using all of the specific ingredients that are proposed for the grout application. Confirm that appropriate site and laboratory tests have been conducted to show that the result of various mix designs conforms to project specifications.

Clean Up – Avoid environmental contamination and dispose according to local regulations.

Technical Data

Specific Gravity -	3.00 g/cm ³
Loose Density -	1.00 g/cm ³
Median Particle Size -	3 μm
Initial Set Time -	8-16 hours
Final Set Time -	10-22 hours
Colour -	Grayish white
Physical State -	Powder
Packaging -	20 kg heat-sealed plastic bags



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Caution

Store and handle in accordance with all current regulations and standards. Wear suitable protective equipment (protective gloves, boots, glasses, mask) to prevent any contamination of skin or eyes. Rinse mouth and wash exposed skin after handling. Provide adequate ventilation in an indoor workplace. Avoid breathing dust. Do not handle until all safety precautions have been read and understood.

First Aid

This material is intended to be used by trained professionals with the proper equipment. Refer to the SDS for detailed first aid information.

Related Literature

Cement Grouting Products and Services, SDS

Related Products

Superplasticizer

Company Overview

Multiurethanes offers technical grouting services for water cut-off, soil stabilization and void filling applications for the same industries that you service; mining, heavy civil, tunneling and utilities. Our services include engineering support, technical services, materials, and equipment.

Technical Service

For additional information, please contact us at 1-800-663-6633 / info@multiurethanes.com