MICROFINE CEMENT – K700 (D50 5.4µm)

DESCRIPTION

MICROFINE CEMENT – K700 (D50 5.4µm) is a high-performance ultrafine cement engineered for injection grouting, ground stabilisation, and fine fissure penetration applications. Its refined particle size distribution enables superior penetration into microcracks, porous soils, and rock formations while delivering high early and long-term strength development.

KEY FEATURES

- Ultra-fine particle size distribution for enhanced penetration
- High early and long-term compressive strength
- Excellent fluidity and suspension stability
- Low bleeding and controlled setting characteristics
- Suitable for fine fissure and permeation grouting applicatio

APPLICATIONS

- Ground stabilisation
- Tunnel and mining grouting
- Rock and soil injection
- Concrete crack injection
- Civil engineering grouts
- Dam remediation and seepage control
- Waterproofing grouts

CHEMPORT
Specialty Chemical Experts

LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.

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Users are solely responsible for determining the suitability of this product for their specific application and for ensuring compliance with all relevant regulations, industry standards, and intellectual property rights. The product must not be used in violation of any law, statute, or third-party rights.

Chemport Pty Ltd shall not be liable for any direct, indirect, or consequential loss or damage arising from the use of this product or reliance on the information provided in this document. Users should refer to the current Safety Data Sheet (SDS) and perform their own evaluations, including any necessary testing, to confirm the product's suitability for use in their particular conditions.

This document is subject to revision without notice as new data becomes available.

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TYPICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Appearance	Grey powder
Odour	None
Moisture Content, %	0.5
Density, g/cm³	2.94
D50 Particle Size, µm	5.4
D90 Particle Size, µm	17.6
Initial Set Time, min	181
Final Set Time, min	233
Compressive Strength (3 Day), MPa	42.0
Compressive Strength (28 Day), MPa	77.8
Flexural Strength (3 Day), MPa	7.0
Flexural Strength (28 Day), MPa	9.5
Fluidity, %	194
Chloride Content, %	0.03
Loss on Ignition, %	1.8
Water Soluble Chromium (VI), mg/kg	1.4
Sulfate Content, %	0.5

PACKAGING
25 kg bags and bulk packaging available upon request

STORAGE & HANDLING
Store in a cool, dry environment away from moisture and humidity. Keep packaging sealed when not in use. Shelf life may vary depending on storage conditions.

SAFETY
Refer to the Safety Data Sheet (SDS) for detailed safety, handling, and regulatory information. Appropriate PPE should be worn when handling cementitious materials.