1K High Yield Grout

PRODUCT DESCRIPTION

1K High Yield Grout is a single-component, cementitious grout formulated with specialised additives for mining and civil engineering applications. Requiring only the addition of water, it mixes to form a low-viscosity, pumpable grout suitable for filling voids, sealing and low-strength support applications.

KEY FEATURES

- High compressive strength at elevated water-to-powder ratios
- Rapid gel formation for efficient sealing
- Homogeneous, pumpable consistency with minimal segregation
- High grout yield
- Easy mixing and placement
- Good adhesion to substrates

APPLICATIONS

- Ventilation seals
- Backfilling and cavity filling
- Low-strength support
- Erosion control

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 thirdparty 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 PROPERTIES

PARAMETER	1:1	1.5:1	1.75:1	2:1	2.5:1
Grout Density (kg/m³)	1483	1352	1310	1277	1229
Compressive Strength – 2 Hours (MPa)	4.93	1.87	1.51	0.99	0.69
Compressive Strength – 1 Day (MPa)	7.62	3.57	2.42	1.88	1.55
Compressive Strength – 7 Days (MPa)	16.77	9.26	8.48	6.15	4.13
Compressive Strength – 28 Days (MPa)	19.54	12.64	8.91	7.38	5.14

Performance data at various water-to-powder ratios (W:P). Compressive strength values are reported at the indicated curing ages.

PACKAGING
Available in 20 kg bags and 1.2 tonne bulk packaging.

STORAGE & HANDLING
Store in the original, unopened packaging in a cool, dry environment. Protect from moisture, humidity, elevated temperatures and water ingress.

SHELF LIFE
Expected shelf life of 12 months when stored under the recommended conditions in its original packaging.

SAFETY
Wear appropriate personal protective equipment, including protective clothing, gloves and eye protection.

Avoid inhalation of dust and contact with skin and eyes. In the event of skin contact, rinse thoroughly with fresh water. If the product enters the eyes, rinse immediately with plenty of fresh water and seek medical attention.

Refer to the Safety Data Sheet (SDS) for additional safety, handling and first-aid information.