

MINING / CONSTRUCTION

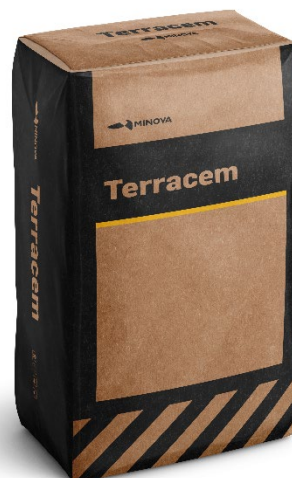
TERRACEM

ONE COMPONENT, FINELY-GROUND INJECTION CEMENT WITH A BUILT-IN DISPERSANT

DESCRIPTION

Terracem grout is supplied as a one-component, ready- to-use injection cement. It is a very fine sulfate-resisting blended cement with an integral super- plasticizer, ground and classified to a low particle size grading (D98 less than 40 micron; D50 less than 7.5 micron).

Terracem injection cement is specifically designed to grout fine sands, consolidate foundations, seal off flowing water and establish grout curtains in dam construction and rehabilitation.



USES

Additional uses include grouting of tunnel and shaft linings, rehabilitation of existing tunnel structures, waste site remediation and fine crack injection.

ADVANTAGES

- Rapid water dispersion and lowest viscosity
- Integrated dispersant, no external dispersants needed
- Brine tolerant

TECHNICAL DATA

The data below are laboratory data only. They may vary in practice due to thermal exchange between resin and strata, surface properties of the stone, humidity, pressure and other factors.

MATERIAL DATA

| Physical Properties (typical) | Value |
|---------------------------------|--------------------------|
| Specific Gravity | 2.94 |
| 50% Grain Size (D50) | 7.5 micron |
| Maximum Grain Size (D98) | <40 micron |
| Fineness | 5,200 cm ² /g |

| Compressive Strength (psi, @ w/c = 0.5) | |
|---|-------|
| 7 days | 4,200 |
| 28 days | 6,000 |

| Chemical Analysis (typical) | % |
|------------------------------------|------|
| SiO₂ | 35.2 |
| Al₂O₃ | 5.9 |

| | |
|------------------------------------|------|
| Fe₂O₃ | 1.2 |
| CaO | 45.2 |
| MgO | 9.8 |
| SO₃ | 1.3 |

PACKAGING AND TRANSPORTATION

Terracem powder is supplied in 50 lb, 3-ply poly-lined bags, 48 bags per stretch wrapped pallet.

SAFETY INSTRUCTIONS AND LIMITATIONS

Good housekeeping is needed during storage, transfer, handling, and use of this material to avoid excessive dust accumulation. Never add material to this product unless instructed by Minova.

STORAGE AND SHELF LIFE

One year in a cool dry place.

DISPOSAL

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of material in accordance with all applicable federal, state/provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

APPROVALS AND CERTIFICATES



an ISO 9001:2015
Quality Management System Certified Company.

DISCLAIMER

The Minova Logo is a registered trademark of Minova International, Ltd.

Copyright © 2019 Minova. All rights reserved.

All information contained in this document is provided for informational purposes only and is subject to change without notice. Since Minova cannot anticipate or control the conditions under which this information and its products may be used, each user should review the information in the specific context of the intended application. To the maximum extent permitted by law, Minova specifically disclaims all warranties express or implied in law, including accuracy, non-infringement, and implied warranties of merchantability or fitness for a particular purpose. Minova specifically disclaims, and will not be responsible for, any liability or damages resulting from the use or reliance upon the information in this document.

ADDITIONAL DOCUMENTATION

Started more than 135 years ago, Minova is a global manufacturer and supplier of chemical and mechanical earth control products and support equipment. With manufacturing plants on five continents and operations in more than 25 countries, Minova is an industry-leading provider of ground support solutions for the underground mining, construction and energy industries.

If further information is required consult Minova Americas website: www.minovaglobal.com.

- Terracem Safety Data Sheet (SDS)
- Minova Handling Injection Grouts Application Guide
- Minova Technical Handbook for the Safe Use of Injection Resins within the Mining Sector
- Minova Field Manual – Handling Injection Resins in Tunneling and Civil Engineering
- Minova – Pumps for Civil Engineering, Tunneling and Restoration
- Minova Terracem Product Specification

MANUFACTURER

Trading name of Minova USA, Inc.
150 Summer Court
Georgetown, KY 40324
USA

CUSTOMER SERVICE

Customer.salessupport@minovaglobal.com
Phone: +1 (800) 626-2948
Alt Phone: +1 (502) 863-6800
Fax: +1 (502) 863-6805