



SOLHYDGROUT CABLE

High-resistance, pumpable, non-shrink grout
providing corrosion protection for anchors and cables.

SOLHYDGROUT CABLE is a high-performance, shrinkage-compensated, pumpable grout designed for anchoring cables, rods, and bolts. Its advanced formulation ensures high fluidity, excellent mechanical bonding, and superior protection against corrosion. It resists water washout, making it ideal for applications in wet or challenging environments. Once cured, it exhibits a dense, concrete-like finish with exceptional durability.

■ USES

SOLHYDGROUT CABLE is designed for precision grouting applications requiring fluid consistency, non-shrink properties, and high durability.

TYPICAL USES:

- Cable bolting in tunneling and mining
- Grouting of anchor rods, bars, cables, or bolts in soil or rock media
- Injection of narrow, confined spaces
- Structural grout medium for micropiles
- Earth tie-backs for excavation and soil stabilization
- Filling of pipe piles and post-grouting of micropile installations
- Grouting support systems in tunnelings

■ PRODUCT FEATURES

- High fluidity for easy placement and pumpability
- Thixotropic properties reduce material loss in fractured ground
- Shrinkage compensated to ensure long-term stability
- Resistant to water washout, ensuring reliable performance in wet conditions
- Reduced bleeding, maintaining consistency during curing
- Low permeability, enhancing durability and resistance to environmental factors
- Superior resistance to sulfate attack, extending service life

■ SURFACE PREPARATION

All surfaces in contact with SOLHYDGROUT CABLE must be free of oil, grease, laitance, and contaminants. Roughen the surface to ensure proper adhesion and clean thoroughly with water until saturated but free of standing water.

■ PRIMING

No primer required.

■ PRODUCT MIXING

- SOLHYDGROUT CABLE must be vigorously mixed using a high-shear mixer, such as a high speed drill mixer cable of reaching 2000 RPM or equivalent for a minimum of 3 minutes or until a smooth, homogeneous blend is obtained.
- Recommended water content: 5.68 - 7.49 Liters per bag.
- Use clean, potable water for all mixing operations.
- Pour the measured water into the mixer first, then add SOLHYDGROUT CABLE gradually while mixing continuously.
- Avoid overmixing to prevent premature setting due to heat buildup.
- Maintain grout temperature between 15°C and 30°C during mixing.

■ PRODUCT APPLICATION

- When formwork is required, it must be firmly anchored and watertight.
- If pumping is used, pump the grout immediately after mixing using suitable equipment, such as piston or screw-type pumps.

■ ESTIMATING / YIELD

A 22.7 kg (50 lb) bag of SOLHYDGROUT CABLE, mixed with 5.68 L (1.50 US gal) of potable water for pumpable consistency, or with 7.49 L (1.98 US gal) for flowable/ fluid consistency, which will yield approximately 15.45 L (0.55 ft³) of grout, based on flow achieved under recommended placement conditions at 21°C (70°F) [ASTM C-939-87].

■ CURING

Allow any grout exposed to a water cure for 24 hours.

MATERIAL PHYSICAL PROPERTIES

WHEN MIXED WITH 7.49 L (1.98 US GAL) OF POTABLE WATER PER 22.7 KG (50 LB) BAG

COMPRESSIVE STRENGTH ASTM C-109 cube 50mm x 50mm			FRESH GROUT PROPERTIES ASTM C-930	
Freshly Mixed Temperature	23°C	73°F	Freshly Mixed Temperature	23°C (73°F)
Curing Temperature	23°C	73°F	% Bleeding	0%
Set time @ 23°C (73°F)	6 hours		% Combined Expansion	3-6%
12 hours	10 MPa	(1,450 psi)	% Segregation	0%
1 day	35 MPa	(5,075 psi)	FLOW CONE ASTM C-939	
7 days	45 MPa	(6,525 psi)	Freshly Mixed Temperature	23°C (73°F)
28 days	60 MPa	(8,700 psi)	Flow	20-30 seconds



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■ PRECAUTIONS / RESTRICTIONS

- Tools and equipment must be cleaned with water before the product hardened
- Only add chemical admixtures or thinners approved or directed by BMQ Solutions
- Use water quantity as specified in this document
- Store materials in a dry place
- The application temperature must be 4° C or more and remain so for 24 hours after application
- Use cold or hot weather grouting best practices when applicable
- Strength gain and setting time are significantly influenced by extreme temperatures
- BMQ Solutions is not responsible for corrosion caused by ingredients in the washing, saturation or mixing water, or for contaminants contained in the spaces to be injected or coming from materials used in the grouting application
- In order to minimize bleeding in vertical applications over 6.1 m (20 ft), BMQ Solutions recommends a dosage of water of no more than 5.7 liters per 22.7kg
- Always consult safety data sheet before use

■ PACKAGING

SOLHYDGROUT CABLE :

Bags 22.7 kg (50 lbs)
Qty: 56 bags per pallet

■ RECOMMENDED TOOLS

The following tools will assure a cost effective, satisfactory installation:

- Power drill with "Jiffy" type mixer
- Magnesium or Steel trowel
- Flow Cone
- Grout pump for large volume applications

■ CLEANING

Use water to clean all tools immediately after use.

■ STORAGE

Store in cool dry heated area on skids avoiding all moisture.
Can be kept in unopened bags for 18 months.

■ SAFETY

See Material Safety Data Sheet.

Contains Portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water. Avoid breathing dust.

BMQ SOLUTIONS WARRANTS that the product conforms to its chemical description and is reasonably fit for the purpose stated on its Technical Data Sheet when used in accordance with its directions. BMQ Solutions makes NO OTHER WARRANTY either expressed or implied.
Buyer assumes all risk in handling.

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