



SOLHYDGROUT TX

High-strength, pumpable, shrinkage compensated thixotropic grout
for rock anchors and long strand cables

SOLHYDGROUT TX is a high-performance, shrinkage-compensated, pumpable grout designed for rock anchoring cables, rods, and bolts. Its advanced formulation ensures ideal consistency for the encapsulation of bolts and cables when using the “bottom up” grouting method, as well as excellent mechanical bonding, and superior protection against corrosion. Its superior washout resistance makes it ideal for grouting applications involving water ingress.

■ USES

SOLHYDGROUT TX is designed for specialty grouting applications requiring thixotropic consistency, non-shrink properties, and high bond strength to bolts and cables.

TYPICAL USES:

- Cable/rods bolting in tunneling and mining where the “bottom up” grouting method is used
- Grouting applications with challenging water ingress and potential washout
- Encapsulation of bolts or cables through narrow injection tubes and/or involving finely fractured rock

■ PRODUCT FEATURES

- Thixotropic properties are particularly suitable for encapsulation of roof bolts and cables using the “bottom up” method.
- Superior washout resistance to reduce material loss in fractured ground with water ingress while ensuring performance in wet conditions
- Shrinkage compensated to ensure superior mechanical bond to anchors and surrounding rock/ground
- Extended/adjustable working time for ease of placement and clean-up of equipments
- High ultimate strengths

■ SURFACE PREPARATION

All surfaces in contact with SOLHYDGROUT TX must be free of oil, grease, laitance, and contaminants.

■ PRIMING

No primer required.

■ PRODUCT MIXING

- SOLHYDGROUT TX must be mixed using a paddle type mixer for 3 minutes until a smooth, homogeneous blend is obtained.
- Recommended water content: 7.0 L up to 9.0 L per 20 kg bag depending on the required consistency
- Use clean, potable water and accurate water dosing systems for all mixing operations.
- Pour the measured water into the mixer first, then add SOLHYDGROUT TX 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

- If pumping is used, pump the grout immediately after mixing using suitable equipment, such as piston or screw-type pumps and keep it agitated or in movement.
- Discard any unused grout after 50 minutes.
- Avoid stopping the mixer or agitator for more than 15 minutes.

■ ESTIMATING / YIELD

A 20 kg (44 lb) bag of SOLHYDGROUT TX, mixed with 7.00 L (1.85 US gal) of potable water for thick consistency, or up to 9.0 L (2.38 US gal) for pumpable paste consistency, which will yield approximately 13.0 L (0.46 ft³) of grout.

■ CURING

Keep moist for the first 24 hours after final set.

MATERIAL PHYSICAL PROPERTIES @ 23°C (73°F)

COMPRESSIVE STRENGTH ASTM C-109 cube 50mm x 50mm		
Consistency	Thick	Pumpable Paste
Water Quantity per bag	Up to 7.0 L (1.88 US gal)	Up to 9.0 L (2.38 US gal)
Set time @ 23°C (73°F)	3 hours	4 hours
1 day	30 MPa (4,350 psi)	20 MPa (2,900 psi)
7 days	40 MPa (5,800 psi)	30 MPa (4,350 psi)
28 days	60 MPa (8,700 psi)	50 MPa (7,250 psi)



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■ PRECAUTIONS / RESTRICTIONS

- Tools and equipment must be cleaned with water immediately after completion of grouting operations
- Only add chemical admixtures approved or directed by BMQ Solutions representative
- 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 water content, ambient/water temperatures and curing conditions.
- 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
- Always consult safety data sheet before use

■ PACKAGING

SOLHYDGROUT CABLE :

Bags 20 kg (44 lbs)
Qty: 56 bags per pallet

■ CLEANING

Use water to clean all tools immediately after use.
Start clean up of tools, equipment and hoses immediately after finishing grouting operations without exceeding a delay greater than 50 minutes otherwise discard the batch and start cleaning.

■ STORAGE

Store in a cool dry heated and covered area.
Shelf life for unopened skids and bags is 12 months.

■ SAFETY

Refer to Material Safety Data Sheet for more details.
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.

For Professional Use Only
