

# CBGM-SHOTCRETE-FreezeThaw Grout

Durable shotcrete for cold climate projects.

## Key Features

- Withstands 300+ freeze-thaw cycles
- High compressive strength  $\geq 90$  MPa
- Low permeability, water resistant
- Durable in temperature changes

## Technical Parameters

Parameter	Value
Compressive Strength (28 d)	$\geq 90$ MPa
Flexural Strength	$\geq 15$ MPa
Freeze-Thaw Resistance	$\geq 300$ cycles, $\geq 90\%$ retention
Water Absorption	Very low

## Applications

- Cold region bridges
- Dams and retaining walls
- Hydraulic structures
- Tunnels in cold climates

## Mixing & Application Instructions

1. Mix with clean water ( $12 \pm 1\%$ ).
  2. Stir mechanically 3–5 min.
  3. Spray with shotcrete equipment.
  4. Cure 7 days moist.
- Do not apply below 0 °C.

## Packaging & Storage

25 kg/bag, 12 months sealed

## Disclaimer

All data is based on tests and experience. No guarantee. Users must verify suitability.