

Snotcrete

Description

Snotcrete is a high-performance, low shrinkage, silica-free shotcrete designed for both wet and dry spray applications. This innovative product is ideal for construction projects requiring strong, durable, and safe shotcrete solutions without the health hazards associated with silica dust. Snotcrete's high relative alkalinity makes it an ideal repair mortar which is easily coated.

Typical Uses

- Structural repairs
- Slope stabilization
- Tunnel linings
- Mining operations
- Retaining walls
- Seismic retrofitting
- Sewer asset repairs

Typical Laboratory Properties

at 23°C as a mixed mortar

Working time	60 mins		
Setting Time	<4 hours		
Water	3L/20kg		
Density	2100kg/m ³		

Age	1 Day	7 days	28 days
UCS (MPa)	20	45	65
Flexural			7
Bond			2.5

Features and Benefits

- **Silica-Free:** Eliminates health risks associated with silica dust, ensuring a safer work environment.
- **High Strength:** Provides superior compressive strength for demanding structural applications.
- **Versatility:** Suitable for both wet and dry spray methods, allowing flexibility in application techniques.
- **Durability:** Resistant to harsh environmental conditions, providing long-lasting performance.
- **Ease of Use:** Pre-packaged in convenient 20kg bags or larger 1T bulk bags for varied project sizes.

Surface Preparation

For high bond strengths, it is important that the surface be prepared with mechanical grip in mind. High pressure water, mechanical scabbling and grit blasting will assist with this. Saturated surface dry conditions will also help to prevent premature drying at the bond interface.

Application Requirements

Cemspec Snotcrete should be applied by qualified and experienced nozzle-men. Applications over 40mm, should be completed in layers to minimize the chance of slumping.

Dry Spray Method:

1. **Preparation:** Ensure surface is clean and free from debris and loose material.
2. **Application:** Load Snotcrete® into the dry spray machine hopper. Adjust water nozzle to achieve desired consistency during application.
3. **Spraying:** Apply evenly to the surface, building up layers as required.
4. **Curing:** Keep the surface moist for at least 7 days to ensure proper curing.
5. **Clean Up:** All equipment should be thoroughly cleaned with water as soon as practically possible after use.

Mixing and Application Instructions

Wet Mix Method:

1. **Preparation:** Ensure surface is clean and free from debris and loose material.
2. **Mixing:** Add Snotcrete® to water at a ratio of 2.8 to 3.2 liters per 20kg bag. Mix thoroughly until a uniform consistency is achieved.
3. **Application:** Use a wet spray machine to apply Snotcrete to the prepared surface. Maintain a consistent spray pattern for even coverage.
4. **Curing:** Keep the surface moist for at least 7 days to ensure.
5. **Clean Up:** All equipment should be thoroughly cleaned with water as soon as practically possible after use.

Packaging

Cemspec Snotcrete is available in 1T bulk bags or 20kg bags (50/pallet) by request.

Storage

Keep in a dry and well ventilated area. Use caution when stacking pallets for up to 24 months.

Safety

- Always refer to the Safety Data sheet before use.
- Wear appropriate PPE
- Avoid contact with skin and eyes.
- Avoid inhalation

For further information

Contact Cemspec or your supplier before use.

