



CONCRETE REPAIR SOLUTIONS

AMBEXGROUT VM

TECHNICAL INFORMATION

DESCRIPTION

AMBEXGROUT VM is a mix of Portland cement, sand and selected additives bagged in 55 lb (25 kg) units and is ready to use. AMBEXGROUT VM is non-corrosive and is bagged under a strict quality assurance program. AMBEXGROUT VM is combined with AMBEXCRETE SB-23 to produce a mortar mix which increases the bonding strength and offers a greater resistance to scaling and freeze-thaw durability.

APPLICATION

- Bonding and leveling mortar for granite slabs and paving stones.
- Historical restoration of roadways and paths with all types of stone.
- Ideal for concrete and surface repairs.
- Interior and exterior.
- Can be used in thin layers.
- For thicknesses over 2" (50 mm), mix may be extended up to 50% with addition of 1/4"-3/8" (10 mm) aggregate.
- Can be used for vertical trowel applications.

COMPOSITION

AMBEXGROUT VM is composed of Portland cement, fine aggregates and selected admixtures and is fabricated under a strict quality assurance program.

TECHNICAL SPECIFICATIONS

		METRIC	IMPERIAL
Compressive strength (with Ambexcrete SB-23) (CSA A23.2-8A)	(24 h)	18 MPa	2,611 psi
	(7 d)	38 MPa	5,511 psi
	(28 d)	50 Mpa	7,252 psi
Bonding:(CSA A23.2-6B)		1.7 MPa	247 psi
BONDING FOR THERMAL SHOCK:			
(10 cycles @ 104°F to -40°F, 40°C to -40°C)		1.6 MPa	232 psi
Yield: (55lb [25 kg] unit):		0.0133 m.cu.	0.47 cu.ft.
		(13.3 L.)	(3.5 Gal.)
Working time 68°F (20°C)		30 minutes	
Freeze thaw (ASTM C 666)		300 cycles	
Scaling (ASTM-672)		50 cycles	
Color:		Grey	

AMBEX CONCRETE TECHNOLOGIES INC.

www.ambexcorp.com

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SURFACE PREPARATION

In order for AMBEXGROUT VM to properly adhere to the existing concrete substrate, the concrete surface must clean and free from all dirt, dust, oil and grease, loose and unbonded concrete and any other contaminant. Rebar must be clean and free from all contaminants.

The substrate surface must be roughened and prepared to sound and good concrete. It is recommended to clean the concrete substrate with a high pressure water jet to remove all contaminants that may affect bonding. Surfaces may be sandblasted if required. The concrete substrate must be dampened and prehumidified and all ponding water must be removed prior to concreting. For minor repairs, it is recommended to saw cut around the perimeter 3/4" (20 mm) deep.

MIXING

Add a maximum of 1 Gal. (3.8 L.) of AMBEXCRETE SB-23 per 55 lb (25 kg) unit of AMBEXGROUT VM.

It is recommended to use a mortar or concrete mixer to mix material. The mixer must be clean and free of old concrete and must be in good working condition. Add AMBEXCRETE SB-23 in mixer to obtain desired workability while not exceeding 1 gallon (3.8 L) per 55 lb (25 kg) unit. Consistency may be adjusted for vertical application.

PLACING

Mix can be placed by gravity or pumped. Mix can be stiffened and hand troweled.

(PLEASE TURN OVER)

AMBEXGROUT VM

CURING

Cover with a wet burlap for 24 to 48 hours or keep humid with a fine mist for 24 hours.

CLEANING

Immediately clean tools and equipment with water after application.

RECOMMENDATIONS

Use material when temperature is above 40°F (5°C), otherwise provide heating and protection.

PACKAGING

- 55 lb (25 kg) unit
- AMBEXCRETE SB 23: 1 gal. (3.8 L.), 5 gal. (19 L.) or 55 gal. (208 L.)
- Store AMBEXGROUT VM™ in dry area.
- Store AMBEXCRETE SB-23™ in area above 40°F (5°C). Keep from freezing.
- Shelf life: minimum one year if properly stored.

SAFETY PRECAUTIONS

This product contains Portland cement and is alkaline when mixed with water. It may irritate skin and eyes. Avoiding splashing and contact with skin. If material is in contact with skin or eyes, rinse with water and consult a doctor if irritation persists. Do not rub eyes. Do not swallow. Wear adequate protective wear. WHIMS data sheet available on request.

TECHNICAL SERVICE

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GUARANTEE

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