



DESCRIPTION

AMBEX GROUT VM[™] is a blend of cement, sand and selected additives. Ready to use.

The quality and uniformity of the mix is assured with production under strict standards.

AMBEX GROUT VM[™] is combined with *Ambexcrete SB-23* to produce a polymer grout that increases the bonding strength and offers a greater resistance to scaling and freeze-thaw durability.

APPLICATION

- Interior and exterior
- Ideal for concrete and surface repairs
- Historical restoration of roadways and paths with all types of stone
- Bonding and leveling mortar for granite slabs and/or joint grout for paving stones
- Concrete repairs
- Bonding slurry (spread with a broom; yield from 43 to 86 sq.ft. (4 to 8 sq. meter).
- For thickness over 2" (50 mm), mix may be extended up to 50% with the addition of 1/4" -3/8" (10 mm) aggregate

CHARACTERISTICS

- Mixed with *Ambexcrete SB-23* gives a polymer-modified mortar
- Resist to Freeze-thaw cycles
- Superior bonding and performance
- Easy placing

PREPARATION

In order to ensure **AMBEX GROUT VM[™]** bonds properly to the existing concrete, the surface must be clean and free of all contaminants and loose or delaminated concrete. Rebar must be clean, free of rust and properly attached in place.

The surface of the concrete substrate must be roughened and sound. It is recommended to wash the surfaces with a high pressure jet prior to forming.

Make sure surfaces and formworks are saturated with water (but do not have any residual water) prior to placing **AMBEX GROUT VM[™]**.

TECHNICAL SPECIFICATIONS

	METRIC	IMPERIAL
Yield 25 kg (55 lbs) Bag	0.0133 m ³	0.5 pi ³
Working Time	45 min.	
Set Time (ASTM C- 191)	20° C	70° F
<i>Initial Set Time:</i>	90 min	
<i>Final Set Time:</i>	3.5 hrs	
Compressive Strength (CSA A23.2-8A)	24 hrs: 18 MPa 7 days: 38 MPa 28 days: 50 MPa	2,600 psi 5,500 psi 7,250 psi
Bonding (CSA A23.2-6B)	1.7 MPa	250 psi
Freeze-Thaw Durability (ASTM C- 666) (300 cycles)	100%	
Scaling (ASTM C-672) (50 cycles)	Excellent	
Color	Grey	

MIXING

Add *Ambexcrete SB-23* depending on the consistency desired:

Bedding/leveling mortar: 0.9 gal. (3.5 L.)

Bonding slurry: 1.05 gal. (4.0 L.)

Grout for joints: 1.2 gal. (4.5 L.)

The use of a mortar mixer is recommended. The equipment must be clean and does not contain any dry or humid cement residue. First add *Ambexcrete SB-23* in the mixer, then slowly add **AMBEX GROUT VM™**. Mix until a homogeneous and consistent mix is obtained. Mixing time may vary with temperature and equipment used.

PLACING

The mix can be poured, with or without formwork, and can also be pumped. Level with a trowel.

CURING

For pours when it is colder than 40° F (5° C), use insulating tarps or a heating system to maintain a temperature over 40° F (5° C). Slab can be heated if required. Saturate burlap for a minimum of 3 hours prior to placing wet burlap on freshly placed **AMBEX GROUT VM™**. When formwork is not used, put down wet burlaps and keep humid for 24 hours.

PACKAGING

25 kg (55 lbs) 63 bags per pallet

Ambexcrete SB-23: 1.05 US gal. (4 L.), 5.3 US gal. (20 L.), 55 US gal. (205 L.), 265 US gal. (1,000 L.)

STORAGE

AMBEX GROUT VM™: Cementitious material sensitive to humidity. Store in a dry area.

Protect *Ambexcrete SB-23* from freezing.

Shelf life: 1 year if properly protected.

SAFETY PRECAUTIONS

This product contains Portland cement and is alkaline when mixed with *Ambexcrete SB-23*. It may irritate skin and eyes. Avoid 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. Material Data Safety Sheet available on request.

CLEANING

Clean tools and equipment with water immediately after use.

WARNING

Apply product when the temperature is over 40° F (5° C) and under 86° F (30° C).

Do not modify or add admixtures without consulting AMBEX Technical Representative.

GUARANTEE

AMBEX CONCRETE TECHNOLOGIES INC. (AMBEX) guarantees that its products meet the technical specifications presented on its data sheets. The products must be used as per directions stated on data sheets. AMBEX is not responsible for any damages resulting from improper use and application of its products. AMBEX'S liability is limited to the replacement only of product considered defective. AMBEX does not give any other warranty, implicit or explicit, and in no way can be held responsible for loss of profits, demands from third parties or any other damages.

TECHNICAL SERVICE

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