

PRODUCT NAME

Gem-Seal® MB ST

Methyl-metacrylate Based, Clear, Acrylic
Sealer



MANUFACTURER

Gemite® Products Inc.

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FEATURES

- Waterproof and weatherproof
- Breathable and self-cleaning
- No chipping, peeling or flaking
- High abrasion resistance
- High flexibility
- High durability and UV resistance
- Unaffected by salts and acids

PRODUCT DESCRIPTION

Basic Use

Gem-Seal MB ST is used as a protective clear sealer for parking decks, bridge decks and concrete floors. It prevents the intrusion of road salts, oil, grease and increases the surface resistance to abrasive wear. It provides an excellent protection to de-icing chemicals used in airports. *Gem-Seal MB ST* is also used as a protective, waterproofing wall sealer. *Gem-Seal MB ST* is a fast drying clear sealer, exhibiting excellent adhesion and flexibility combined with superior durability, freeze/thaw and weather resistance. *Gem-Seal MB ST* is breathable and water repellent. It is intended primarily as a single coat application. In some applications, the use of *Gem-Gard SX/SL* (horizontal surfaces) or *Rain-Shield Clear SX/SB* (vertical surfaces) as a primer coat is recommended. Contact Technical Service for advice.

Composition and Materials

Methyl-methacrylate resin based sealer in a hydrocarbon solvent.

Limitations

Keep away from heat and open flame. When used in interior, provide adequate ventilation. Harmful if digested. Keep product out of reach of children. FOR INDUSTRIAL USE ONLY. Consult MSDS for additional information.

Colors

Gem-Seal MB ST is a clear sealer. If a colored sealer is required, contact Gemite Products Inc. for *Gem-Gard Stain OP SB* (Opaque, Solvent Borne) information.

Packaging

Gem-Seal MB ST is packaged in 20 L (5 USG) pails and 209 L (55.2 USG) drums.

Coverage

Gem-Seal MB ST will cover approximately 5-7 m²/L (200-267 ft²/USG) per one (1) coat.

Storage and Transportation

Shelf life of *Gem-Seal MB ST* is two years. Store in temperatures above 4°C (40°F). Packaged 36 pails or 4 drums per pallet.

TECHNICAL DATA

Appearance	Clear Solution
Solids content (by weight)	14 %
Viscosity	23 centipoise
Flash Point	81°C (177°F)
Tukon Hardness of Clear Film	12-13
Composition	Methyl-methacrylate copolymer

APPLICATION

Surface Preparation

The surface to be coated must be clean. Remove all dirt, efflorescence, loose particles, cement scaling and other foreign matter which can interfere with the penetration and adhesion of the sealer. Use power brush or sandblasting as required. The surface must be thoroughly dry before application of *Gem-Seal MB ST*.

Application

Do not apply when rain is imminent. Apply above 7°C (45°F) and under 40°C (105°F). The surface temperature must not be in excess of 30°C (86°F). Do not thin *Gem-Seal MB ST*. Airless spray and short nap roller are used to apply *Gem-Seal MB ST* on vertical surfaces. On horizontal surfaces apply the sealer by a roller, spraying or “flooding”. When applying two coats allow one to two hours between the coats depending on temperature. *Gem-Seal MB ST* will be tack free in one to two hours and fully cured in five days depending on atmospheric conditions.

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3 & 9

03064 Concrete Sealers
09780 Floor Treatment

Clean Up

Clean the tools with mineral spirits or xylol. The dry material can be dissolved using acetone.

AVAILABILITY AND COST

Gem-Seal MB ST is available worldwide. Contact the manufacturer for the name of the nearest Representative/Distributor and pricing information.

MAINTENANCE

Gem-Seal MB ST is self-washing. The atmospheric dust collected on the surface can be easily cleaned with water based detergent and water. If repair is required, simply apply more of the same product.

WARRANTY

A limited twelve (12) month Material Replacement Warranty is available. For complete details contact Gemite's Head Office.

TECHNICAL SERVICE

Advice on suitability of *Gem-Seal MB ST* for specific application, application instructions and specification assistance is available from Technical Service: USA 888-443-6483 or Canada 905-672-2020.

Short Specification

The clear methacrylate sealer will be *Gem-Seal MB ST*, manufactured by Gemite Products Inc., [USA 888-443-6483 or Canada 905- 672-2020]. It will meet the all the Technical Data specified in the current *Gem-Seal MB Plus* Product Data Sheet.