

PRODUCT NAME

Rain-Shield™ MS 100

Clear, Deep Penetrating, Acrylic
Masonry/Concrete Sealer



MANUFACTURER

Gemite® Products Inc.

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FEATURES

- Pure acrylic - self cross linking
- High Gloss - if necessary
- Excellent blocking
- Breathable and self-cleaning, non-yellowing
- No chipping, peeling or flaking
- Blush resistant
- High durability and UV resistance
- Unaffected by salts and acids
- Resistant to Oil and Gasoline spills
- Deep penetrating
- Dustproofing
- Hardening
- Fast drying
- Highly economical

PRODUCT DESCRIPTION

Basic Use

Rain-Shield MS 100 is used as a protective damp-proofing, clear sealer for vertical masonry and horizontal/vertical concrete surfaces. It can be also used over painted vertical surfaces. It provides protection and keeps the surfaces clean. *Rain-Shield MS 100* is a fast drying clear sealer exhibiting excellent adhesion and flexibility combined with superior durability, freeze/thaw and weather resistance. *Rain-Shield MS 100* is breathable and water repellent. In full concentration it also provides a high gloss film. It is intended primarily as a single coat application. In some applications, where a “high water-beading” effect is required, an additional protection against dirt “pick up”, or lower than 15°C application, use *Rain-Shield MS 200*. Gemite Products Inc. manufactures a broad line of clear and colored sealers for various applications. Please contact Gemite Products Inc. for advice.

Composition and Materials

Modified methylmethacrylate resin dispersion in water.

Limitations

Do not apply when freezing is imminent & protect from freezing during application. Must not freeze during transportation, or

storage. Apply only when the substrate and ambient temperatures are above 15°C (59°F). Keep out of reach of children. FOR INDUSTRIAL USE ONLY. Consult MSDS for additional information.

Colors

Rain-Shield MS 100 is a clear sealer. It can be tinted using approved pigment dispersions, forming semitransparent or transparent color finishes. If high performance (hide) colored sealer is required for vertical surfaces, contact Gemite Products Inc. for *Rain-Shield Stain OP WB* information.

Packaging

Rain-Shield MS 100 is packaged in 20 L (5 USG) pails and 209 L (55 USG) drums and 1,000 L (265 USG) totes.

Coverage

Rain-Shield MS 100 covers approx. 2.4-5.0 m²/ L (100-210 ft²/ USG) per one (1) coat (depending on porosity of concrete) in horizontal applications, and 5-8.5 m²/ L (210-350 ft²/ USG) when used on vertical masonry/concrete surfaces. A test must be carried out to determine actual coverage required for given substrates and/or aesthetic or technical requirements.

Storage and Transportation

Shelf life of *Rain-Shield MS 100* is one (1) year, when properly stored, and in temperatures above 4°C (40°F). Packaged 36 pails or 4 drums per pallet.

TECHNICAL DATA

Appearance	Clear
Viscosity	< 1100 centipoise
Solids	46%
pH	8
Density at 23°C (74°F)	1.06 kg/L (8.82 lbs/USG)
Composition	Methylmethacrylate polymer

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, high pressure wash or sandblasting as required. The surface must be thoroughly dry before application of *Rain-Shield MS 100*.

Application

Do not apply when rain is imminent. Apply above 15°C (59°F). *Note: if application temperature is lower, please contact Gemite Technical Service.* Use airless spray, or short nap roller, to apply *Rain-Shield MS 100* on vertical surfaces. When applying two

coats, allow 3 hours drying (before re-coat), depending on temperature. *Rain-Shield MS 100* will be tack free in 2-3 hours and fully cured in several days depending on atmospheric conditions. In some applications the *Rain-Shield MS 100* can be reduced using water by 15%.

Rain-Shield MS 100 is a deep penetrating sealer (especially when diluted). A test must be carried out to determine actual coverage and number of coats required for given substrates, and aesthetic or technical requirements. Highly porous substrates may keep absorbing the sealer. Horizontal surfaces typically need 2 coats. For high gloss application on masonry 2 coats may also be necessary, depending on the substrate porosity.

AVAILABILITY AND COST

Rain-Shield MS 100 is available worldwide. Contact the manufacturer for the name of the nearest Representative/Distributor and pricing information.

Clean Up

Clean tools with water.. The dry material can be dissolved using acetone.

MAINTENANCE

No maintenance is required. *Rain-Shield MS 100* is self-cleaning. For the use of *Rain-Shield MS 100* in a specific application, specification assistance and application instructions, contact Technical Service: USA at 888-443-6483 in Canada at 905-672-2020.

Short Specification

The clear methylmethacrylate sealer will be *Rain-Shield MS 100*, 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 *Rain-Shield MS 100* Product Data Sheet.