

► Ghemco 921 MICP Primer

ASPHALT EXTENDED AROMATIC POLYURETHAN

Ghemco 921 MICP Primer is a two component, liquid applied, asphalt extended aromatic polyurethane that adheres to most substrates, to form a waterproof membrane. It is available in two versions, horizontal and vertical.

FEATURES & BENEFITS

- Low VOC
- Seamless Waterproofing
- Economical
- Bridges Cracks and Joints
- Impervious To Water and Aqueous Chemicals

TYPICAL USES

- Waterproofing
- Roofing (with scrim)
- Tank Liner
- Reservoirs (with scrim)
- Pond Liner
- Ponds (with scrim)
- Containment
- Corrosion Protection
- Potable Water Containment / Storage

DIRECTION OF USE

Surface Preparation

Refer to General Guidelines for complete information.

Mixing

Proportions are pre-measured. Using a mechanical mixer, pre-mix 921 MICP Primer Side-B material thoroughly to attain a uniform color. Add Side-A to Side-B material and box and mix thoroughly until a uniform mixture is achieved.

Do not mix in an up and down motion. Use care not to allow the entrapment of air into the mixture. MICP 921 Primer should not be mixed by hand.

Application

Apply two coats of 921 MICP Primer at 2 gallons/100 sq. ft. (0.8 liters/sqm) or 50 sqft/gallon each coat directly to a clean, dry substrate meeting the substrate requirements set forth in the general guidelines.

Application of 921 MICP Primer should not start if surface temperature is below 50°F (10°C). Ambient temperature must be 5°F (3°C) above dew point.

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The Brand
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DIRECTION OF USE

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Squeegee, notched trowel or phenolic resin core roller may be used; if a roller is used extra care should be taken not to trap air bubbles into the mixture. For most applications, apply 921 MICP Primer evenly over the entire deck in two coats at 2 gallons/100 sqft (0.8 liters/sqm) or 50 sqft/gallon resulting in 28 dry mils & 112 microns) per coat.

921 MICP Primer may be re-coated one hour after application. Re-coating/Multiple or Second coats must be completed within eight (8) hours of previous applications of 921 MICP Primer. After this eight (8) hour window, it is necessary to abrade, clean and prime surface prior to re-coating.

Abrading shall be by grinder or other mechanical means.

Curing

At 75°F (24°C) and 50% relative humidity, allow coating to cure for 24 hours before allowing foot traffic.

921 MICP Primer is sensitive to heat and moisture. Higher temperature and relative humidity will accelerate the curing time. If more than 8 hours passes between coats, re-prime the surface with appropriate primer before proceeding.

SAFETY & PRECAUTIONS

Cleanup

Equipment should be cleaned with mineral spirits or an environmentally-safe solvent, as permitted under local regulations, immediately after use.

Storage

921 MICP Primer has a shelf life of one year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

Limitations

The following conditions must not be coated with Ghemco coating systems or products: on grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over un-vented metal pan, swimming pools, magnesite, lightweight concrete. Asphalt surfaces and asphalt overlays may be coated with Ghemco coating systems if first coated with the 921 MICP Primer.

Do not apply 921 MICP Primer in wet weather or if rain is imminent. Coating should not become wet within 4 hours after application. Containers that have been opened must be used as soon as possible. Do not dilute under any circumstance.

Warning

This product contains Isocyanates, Asphalt and Solvent.

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TECHNICAL DATA

Color	Black, fades to dull black
Packaging	1 gallon kit; 4.5 gallon kit
Coverage Rate	2 gal/100 sq ft (0.82 l/sqm)
Mullen Burst Strength <small>ASTM D-751.50 mil</small>	155 ± 25 psi (no break)
Hardness, ASTM-2240	50 ± 5 Shore A
Tear Resistance, Die C <small>ASTM D-624</small>	150 ± 50 lbs/in
Tensile Strength <small>ASTM D-412</small>	900 ± 100 psi
Ultimate Elongation <small>ASTM 412</small>	450 ± 100%
Permeability <small>ASTM D-1308</small>	0.06 perm
Service Temperature	-60 to 200°F (-51.1 to 93.3°C)
Total Solids by Volume	89%
Working Time <small>(Pot Life) @ 77°F</small>	18-20 min
VOC	87 gm/liters

* This information is intended only as a guide for design purposes. The values shown are the average values obtained from sprayed laboratory samples. The test methods were performed per the ASTM Book of Standards. Higher or lower temperature & humidity conditions will affect dry time. The information contained herein is for purposes of identifying the product and does not constitute a warranty that the product will conform to that description. Product specifications and performance will vary depending on application methodologies, raw materials and other factors.

Please read all information in the general guidelines, technical data sheets, application guide, and safety data sheets (SDS) before applying material. Published technical data and instructions are subject to change with-out notice. Contact your local Ghemco Representative or visit our website for current technical data and instructions. **DISCLAIMER:** All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself, by his own information and tests, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazards listed herein are the only ones that may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether verbal or in writing, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Ghemco makes no claim that these tests or any other tests, accurately represent all environments.