



DYC3100

HYDROPROOF MS 3100 Data Sheet

CHARACTERISTICS

DYCO HYDROPROOF MS is a solvent-based, penetrating, VOC compliant, water repellent which contains a proprietary modified siloxane. This modified siloxane penetrates up to 1/4 inch or more, depending on surface porosity and moisture content at the time of application. HYDROPROOF MS reacts with the minerals in concrete and pavers to form strong permanent bonds beneath the surface which creates a hydrophobic zone. This chemical reaction prevents water molecules from permeating, while allowing free migration of water vapors. The chemical bonds formed in this process allows HYDROPROOF MS to become an integral part of the substrate and provide long-term water repellent protection.

RECOMMENDED USES

- Cured Concrete
- Concrete Pavers
- Stone
- Brick
- Stucco
- Natural Stone

FEATURES/BENEFITS

- Quick drying, less downtime.
- Waterproof and breathable.
- Penetrates substrates with nano technology.
- No sheen or gloss.
- One application required.
- Self-cleaning properties.
- No required mixing.

SPECIAL NOTES

- Pavers and concrete substrates with high absorption rates will require additional applications to ensure product stays consistent.
- Do not topcoat.

FOR ADDITIONAL INFORMATION

See SDS or call toll-free 1-800-282-7901.

TECHNICAL DATA

Vehicle Type Modified Siloxane
Viscosity..... Zahn Cup - 15 Seconds
VOC (less exempt solvents) Less than 600 g/L.
Weight per Gallon 6.18lbs.

COVERAGE

200-300 S.F./Gal.
(Actual coverage may vary depending on type of substrate, and application method.)

KEY ATTRIBUTES

Application Temperatures: 45 - 110 °F (7.22 - 43.33 °C)
Application Tools: Pump Sprayer or Approved Airless Sprayer
Dry Times: Touch - 1-2 Minutes; Foot Traffic - 30 Minutes;
Vehicle Traffic 1 Hour; Application – 2 Hours
(Dry Time Based on 77 °F (25 °C), 50% Relative Humidity)
Thinner: Do Not Thin
Clean Up: Warm Soapy Water

PHYSICAL PROPERTIES

This product is flammable.





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HYDROPROOF MS

3100 Precautions & Application Guide

PRECAUTION: Do not freeze. Wear protective clothing, gloves and eyewear during application and cleanup of this product. Do not transport on passenger seats or inside passenger compartment of any vehicle. Store product in cargo area of vehicle, and secure with protective cloths to prevent accidental spill damage. Do not store at temperature above 100 °F (37.77 °C). Do not use in drinking water or food systems.

BEFORE APPLYING: ALL DIRECTIONS SHOULD BE READ THOROUGHLY BEFORE USE. Wear protective goggles and gloves. Apply HYDROPROOF MS at temperatures between 45 °F and 90 °F. Do not apply if surface or ambient temperature is below 45 °F. If temperature is going to drop below 30 F, make sure HYDROPROOF MS has time to cure for six (6) hours. Pressure wash the area of application ensuring the surfaces are clean and free of oil, efflorescence, laitance or contaminants prior to beginning the process. Rinse area with water. If any acids or cleaners were used during the cleaning phase make sure that the acid and cleaners are thoroughly rinsed prior to application. If applying to pavers, we recommend wet sanding with a clean/fractured/angular sand (conforming to ASTM C33 graduation specifications) for joint sanding. Broadcast joint sander over the pavers. Rinse the sand into the paver joints to 1/8" below the chamfer edge of the pavers. You may sweep the sand into the paver joints, but must wait for the paver to thoroughly dry. Use a leaf blower to blow off any residual sand left on the surface of the pavers.

APPLICATION: HYDROPROOF MS must be applied once area is dry to the touch. Use a pump sprayer or approved airless sprayer to apply. Hold sprayer tip 10"-12" from surface. Avoid overspray on adjacent surfaces, rinse any overspray with water. A test for compatibility, penetration and adhesion is recommended. NOTE: Pavers with high absorption will require additional applications to provide protective barrier. Do not topcoat.

COVERAGE: 200-300 S.F. per gal. depending on substrate and application method.

DRY TIME: Dries to touch in 1-2 minutes but requires 6-8 hours to fully cure. Shaded areas, low temperatures or high humidity will slow drying process. Surface open to foot traffic in 30 minutes and vehicle traffic in one hour.

MAINTENANCE: Periodically wash the area with water to keep the area clean as recommended. Acids, gasoline, hydraulic fluids and motor oil spills should be removed from the surface as soon as possible.

CLEANUP: Immediately flush application system after use of product. Flush system with mineral spirits or paint thinner.

STORAGE: Store in a cool dry place in sealed container. Shelf life is on year.

MIXING: No mixing is required but shake before application and during application to ensure product stays consistent.

THINNING: Do not thin.

LIMITATIONS: Do not apply if surface is damp or if precipitation is expected within six (6) hours. Do not apply in direct sunlight or when air or surface temperature is below 45 °F (7.22 °C) or above 110 °F (43.33 °C). Do not apply if temperature is less than 5 degrees above dew point. Do not apply if surface is damp or if precipitation is expected within six (6) hours.

CAUTION!

HARMFUL IF SWALLOWED. MAY CAUSE EYE, SKIN AND RESPIRATORY IRRITATION. USE WITH ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY. KEEP CLOSED WHEN NOT IN USE.

KEEP OUT OF REACH OF CHILDREN.

To avoid breathing vapor, spray mist, or sanding dust, open windows and doors or use other means to ensure fresh air during sanding, application, and drying. If you experience eye watering, headaches, or dizziness, increase fresh air or wear respiratory protection (NIOSH/MSHA TC 23C or equivalent) or leave area.

USE WITH ADEQUATE VENTILATION NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain damage and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

CALIF. PROP. 65 • CHEMICAL WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Use proper protection and adequate ventilation, when using product.

FIRST AID: If you experience difficulty in breathing, leave area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water. If swallowed, get medical attention immediately.

Safety Data Sheet available upon request.



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