

PRODUCT DESCRIPTION

GPS-9252 is a waterborne polymeric dispersion of UV-stable aliphatic polyurea and aliphatic polyurethane polymers. This waterborne coating has been specially formulated as a durable, color-stable, abrasion resistant coating for wood, concrete and masonry surfaces. GPS-9252 is a low odor, stain resistant coating that offers excellent weatherability.

TYPICAL PROPERTIES

Solids, by Volume _____ 31.2%
VOC _____ 1.67 lbs/gal (199 gm/l)
Dry film thickness per coat @ one gallon per 250 sq. ft.
_____ 2 mil (50 microns)
Color(s) _____ Clear is gloss or matte
Pencil Hardness (ASTM 2240) _____ 2H
Tear Resistance, Die C (ASTM D-624) _____ 600 pli
(105 ± 8.7 kNm)

Tensile Strength (ASTM D412) _____ 4500 ± 300 psi
Ultimate Elongation, (ASTM D412) _____ 120 ± 20%
Specific Gravity _____ 1.01
Viscosity at 24°C (75°F) _____ 66 ± 5 KU

PACKAGING, STORAGE AND SHELF LIFE

1 gallon (3.78 liter) can; 5 gallon (19 liter) pail; 55 gallon drum, net fill 50 gal (189 liters)

SAFETY PRECAUTIONS

GPS-9252 IS FOR INDUSTRIAL USE ONLY. Avoid contact with eyes, and skin; do not inhale or ingest. When working with this material wear goggles, rubber gloves and a respirator. When spraying in a confined area, also wear a fresh air hood and make provision for forced ventilation. Refer to MSDS regarding individual components.

MIXING

Before application, mix GPS-9252 using a mechanical mixer (Jiffy Mixer) at slow speeds or by hand for at least 5 minutes. Mix GPS-9252 thoroughly until a homogenous mixture and color is obtained.

APPLICATION PROCEDURES

Apply to surfaces at temperatures between 60°F (15°C) and 90°F (32°C).

The first coat of GPS-9252 should be applied at the rate of 0.16 liters/square meter (1 gallon/250 square feet). For best results, airless sprayer or phenolic core roller may be used, but extra care should be taken not to cause air bubbles. Apply GPS-9252 evenly over the entire deck resulting in 2 ± 0.5 dry mils (50 ± 10 microns). After 1-2 hours at 75°F, proceed to the second coat. GPS-9252 may require more than one coat depending on the job specifications and requirements. When estimating material requirements, coverage rates tend to increase for subsequent coats of material. To obtain proper adhesion between coats it is imperative that re-coating be done within 6 hours.

CURING

At 75°F (24°C) and 50% relative humidity, allow GPS-9252 to cure a minimum of 1-2 hours between each coat. If more than 6 hours passes between coats, re-prime the surface. Allow 4-6 hours before permitting

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light pedestrian traffic and at least 72 hours before permitting heavy pedestrian or vehicular traffic on to the finished surface.

Uncured GPS-9252 is very sensitive to heat and moisture. Higher temperatures and/or low humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or high humidity extend the cure time.

WARRANTY

GLOBAL POLYMER SOLUTIONS warrants this product to be free of defects in material and workmanship. GLOBAL POLYMER SOLUTIONS's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at GLOBAL POLYMER SOLUTIONS's option, to either replace the products not conforming to this Warranty or credit to Buyer's account in the invoiced amount of the nonconforming products. Any claim under this Warranty must be made by the Buyer to GLOBAL POLYMER SOLUTIONS in writing within (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify GLOBAL POLYMER SOLUTIONS of such nonconformance as required herein shall bar Buyer from recovery under this Warranty.

GLOBAL POLYMER SOLUTIONS makes no other warranties whether express, implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply. In no event shall GLOBAL POLYMER SOLUTIONS be liable for consequential or incidental damages.

Any recommendations or suggestion relating to the use of the products made by GLOBAL POLYMER SOLUTIONS, whether in its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by buyers having requisite skill and know-how in the industry, and therefore it is for Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

LIMITATION OF LIABILITY

GLOBAL POLYMER SOLUTIONS's liability on any claim of any kind, including claims based upon GLOBAL POLYMER SOLUTIONS's negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which gives rise to the claim. In no event shall GLOBAL POLYMER SOLUTIONS be liable for consequential or incidental damages.