

PRODUCT DESCRIPTION

GPS-9501 is a fast set, rapid curing, 100% solids (Zero VOC), flexible, aromatic two-component spray polyurea that can be applied directly to suitably-prepared concrete and metal surfaces – many times without a primer. The extremely fast gel time of GPS-9501 makes it suitable for applications down to -20°F (-29°C). It may be applied in single or multiple applications without appreciable sagging and is relatively insensitive to moisture and temperature allowing application in most temperatures. Meets USDA (United States Department of Agriculture) criteria.

TYPICAL PROPERTIES

Solids, by Volume _____ 100%
VOC _____ 0.0 lbs/gal (0 gm/l)
Mix ratio, by volume _____ 1A:1B
Pot Life _____ 3-5 seconds
Tack Free _____ 60-120 seconds
Recoat Time _____ 0-6 hours
Viscosity at 150-160°F (66.5-71°C), Brookfield:
 Part-A _____ 50 ± 20 cps
 Part-B _____ 50 ± 20 cps
Density (Side A & B Combined) _____ 8.75 lbs/gal
Flash Point _____ >200°F (>93.3°C)

Hardness, ASTM D-2240 _____ 85 ± 5 D
Tensile Strength, ASTM D-412* _____ 3000 ± 200 psi
 (20.7 ± 1.4 MPa)
Elongation, ASTM D-412* _____ 650% ± 20%
Tear, ASTM D-412* _____ 450 ± 50 pli
Service Temperature _____ -40°F to 300°F
 (-40°C to 149°C)
Water Vapor Permeability, ASTM E-96 _____ 0.00042
Water Absorption, ASTM D-471 _____ <0.5%
Impact Resistance @ 25°C _____ >200 lbs
Linear Shrinkage _____ 1-2%

PACKAGING, STORAGE AND SHELF LIFE

Do not open until ready to use. 100 gallon kit: One 50 gallon drum of Part-A and one 50 gallon drum of Part-B. GPS-9502 has a shelf life of one (1) year from date of manufacture in factory sealed containers. Part-A and Part-B drums must be stored above 60°F (15°C). Avoid freezing temperatures. Store drums on wooden pallets to avoid direct contact with the ground. If stored for a long period of time, rotate Part-A and Part-B drums regularly.

SAFETY PRECAUTIONS

GPS-9501 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. This product contains Isocyanates and Curative Material.

MIXING

GPS-9501 may not be diluted under any circumstances. Thoroughly mix GPS-9501 Part-B Base material with air driven power equipment until a homogeneous mixture and color is obtained or use recirculation.

APPLICATION PROCEDURES

Remove all contaminant, oil and grease from substrate.

GPS-9501 should be applied using a 1:1 plural component equipment capable of developing a minimum of 2000 psi (13.8 MPa) and heating the individual component to 170°F (77°C) using an impingement gun. Hose temperature should be

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maintained at 160-170°F (72- 77°C). The GPS-9502 material should be preheated to 75-85°F (24-29°C). GPS-9502 should be sprayed in multidirectional passes for a proper uniform thickness.

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.

(*These physical properties from sample sprayed with Graco Foam Cat 200 @ 2000 psi (13.8 MPa) minimum, with Gusmer GX7-400 mechanical purge gun @ 150-160°F (65-71°C). Different machine and parameter will change these properties. User should perform their own independent testing as properties are approximate.)