

## PRODUCT DESCRIPTION

GPS-9530 is a fast set, rapid curing, 100% solids (Zero VOC), aromatic two-component spray polyurea that can be applied directly to suitably-prepared concrete, metal, foam, wood and aged FRP surfaces. The extremely fast gel time of GPS-9530 makes it suitable for applications down to -20°F (-29°C). It may be applied in single or multiple applications without sagging and is relatively insensitive to moisture and temperature allowing application in most temperatures. This product is approved by USDA (United States Department of Agriculture) for incidental food contact.

## TYPICAL PROPERTIES

Solids, by Volume \_\_\_\_\_ 100%  
VOC \_\_\_\_\_ 0.0 lbs/gal (0 gm/l)  
Mix ratio, by volume \_\_\_\_\_ 1A:1B  
Pot Life \_\_\_\_\_ 4-6 seconds  
Tack Free \_\_\_\_\_ 60-120 seconds  
Recoat Time \_\_\_\_\_ 0-6 hours  
Viscosity at 150-160°F (66.5-71°C), Brookfield:  
Part-A \_\_\_\_\_ 400 ± 20 cps  
Part-B \_\_\_\_\_ 800 ± 20 cps  
Density (Side A & B Combined) \_\_\_\_\_ 9.25 lbs/gal  
Flash Point \_\_\_\_\_ >200°F (>93.3°C)

Hardness, ASTM D-2240 \_\_\_\_\_ 90 ± 5 A  
Tensile Strength, ASTM D-412\* \_\_\_\_\_ 2500 ± 200 psi  
(15 ± 1.4 MPa)  
Elongation, ASTM D-412\* \_\_\_\_\_ 300% ± 20%  
Tear, ASTM D-412\* \_\_\_\_\_ 480 ± 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-9530 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-9530 may not be diluted under any circumstances. Thoroughly mix GPS-9530 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-9530 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.)