PRODUCT DESCRIPTION

GPS-952 is a two component (1:1 mix), 100% solids (Zero VOCs), fast set (4-8 seconds), spray-applied, aromatic polyurea coating for metal, concrete, fiberglass and wood surfaces. GPS-952 is primarily used to provide a chemical lining for steel and concrete. This polyurea is also ideal for blast mitigation on concrete, steel, wood and other substrates. This product can also be used as a truck bed lining, vehicle coating to prevent damage from road debris, lining of materials handling equipment, protecting structural steel, waterproofing of structures, protection of concrete from acids and alkaline materials and use as an environmental or chemical containment barrier in industrial plants, food processing, petrochemical car parks and mining operations.

TYPICAL PROPERTIES

Solids, by Volume _____100%
VOC _____ Zero
Mix Ratio (by volume) _____ 1:1
Color(s) _____Neutral, black or special order colors
Min/Max Thickness _____ 35 mils/150+ mils
Number of Coats _____ One coat multi-pass
Touch Cure _____ 10-30 sec. @ 77°F (25°C)
Cure to Handle _____ 5 min. @ 77°F (25°C)
Ultimate Cure _____ 7 days @ 77°F (25°C)
Time to Recoat _____ 0-12 hours
Application Temperature Range _____32°F - 140°F (6°C - 60°C)
Service Temperature Range _____ -20°F - 250°F (-28°C - 121°C)

Hardness (ASTM D 2240)_____50 ± 5 (Shore D)
Tensile Strength (ASTM D 628): _____ 3500 ± 300 psi
Elongation (ASTM D 628) _____ 450% ± 20%
Tear Resistance (ASTM 624) _____ 450 ± 40 pli
Flash Point _____ >250°F (121°C)
Pull off Strength (ASTM 4541)
Shot blasted concrete (substrate failure) _____500 psi
Primed Concrete (substrate failure) _____ 500 psi
Steel w/90 um profile (substrate failure) _____ 900 psi
Taber Abrasion Resistance (ASTM D4060)
(CS17 wheel, 1000 cycles, 1 kg load)(max) _____ 6 mg loss
Water Absorption (ASTM D471) _____<0.5%
Impact Resistance @ 25°C (ASTM G14) _____>200 lbs.
Density (A + B) _____ 8.81 lbs/gal (1.0 kg/lt)

PACKAGING, STORAGE AND SHELF LIFE

10 gallon kit: 5 gallons (47 lbs. net) Part-A (Isocyanate side) and 5 gallons (43 lbs. net) Part-B (Resin side). 100 gallon kit: 50 gallons (463 lbs. net) Part-A (Isocyanate side) and 50 gallons Part-B (Resin side) (Black: 433 lbs. net, Clear: 431 lbs. net).

Material has a shelf life of 12 months after the date of manufacture if properly stored. Refer to Batch Number on product label for date of manufacture.

SAFETY PRECAUTIONS

GPS-952 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

GPS-952 may not be diluted under any circumstances. Thoroughly mix **GPS-952** Part-B (Resin side) with air driven power equipment until a homogeneous mixture and color is obtained.

Continued on back

APPLICATION GUIDELINES

Consult with a GLOBAL POLYMER SOLUTIONS Representative for complete and detailed application instructions. **GPS-952** is applied using a plural component, high-pressure, airless spray unit with in-line heaters. Material supply (drums of A and B) should be agitated and heated prior to application. Vent material supply containers with nitrogen or desiccant.

Substrate should be free of oil, grease and moisture. For good flow and leveling of this product, the substrate should be a minimum temperature of 60°F and the product should be heated to a temperature between 120°F and 140°F (49-60°C). Pressures should generally be 2000 psi (137 bars) on components A and B while spraying.

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.

GLOBAL POLYMER SOLUTIONS LLC
T: 800-933-1031
www.polymers-online.com