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ARMSPGX

ONE PART POLYUREA COATING

PRODUCT DESCRIPTION

SPGX is a clear/pigmented (with optional pigment packs) single component roll-on, UV-stable, cross-linked Polyurea coating with a high gloss finish. SPGX Single component Polyurea utilizes Polyaspartic, Urethane and Polyurea technologies to create a top coat that provides a durable, chemical, impact and abrasion resistant surface for a variety of applications.

RECOMMENDED FOR: Ideal for a one or two coat clear or colored solution (fast drying) that is UV tolerant, and highly resistant to chemicals and auto fluids. Can be used with or without non-skid additive.

RECOMMENED SURFACES

- Warehouse floors
- Garage floors
- Manufacturing facilities
- Stain system top coat
- Shop floors
- Overlay top coat

PRODUCTS TO BE USED WITH

- ArmorPoxy SPGX Broadcast Coating Kit
 - Medium Broadcast
 - Full Brocast

FEATURES

- Rapid cure time
- Unlimited pot-life
- UV resistant
- No mixing
- Abrasion resistant
- Durable

PHYSICAL PROPERTIES

Solids by Weight	62%
Volatile Organic Content	250 gm/liter (voc)
Recommended Film Thickness	should be applied at 2-8 mils.
Packaging Information	1 gallon (12.0 pounds net approximately)
Mix Ratio	Colored: 4 Parts A, 1 Part B (Pigm. Pack)
--	Clear: 1 Part A
Color Stability	Excellent 100% aliphatic
Abrasion Resistance	ASTM 4060-90 Taber Abrader CS-17
--	Wheel 12.0 mg loss 1000gm /1000 cycles
Tensile Strength	4800 psi (clear)
Elongation	25% ASTM D-412
Hardness	ASTM D-2240 70-75 D
Tear	ASTM D-624 550 lbs/in
Viscosity	range (SC) 800 cps
Shelf Life	12 months

COLORS

Clear, Gray, Tan

COVERAGE (Per Kit)

2 Mils	500 sq.ft
4 Mils	250 sq.ft
8 Mils	125 sq.ft

PRIMER

None necessary

TOPCOAT

Optional: This product can be used as a base coating and/or as a topcoat

CURE SCHEDULE

Pot Life (1 Gal Volume)	Unlimited
Tack Free (Dry to Touch)	2-3 hours
Recoat or Topcoat	2-6 hours
Light Foot Traffic	8-12 hours
Full Cure (Wheel Traffic)	2-3 days
Application Temperature	75°F (24°C) with relative humidity at 50%

CHEMICAL RESISTANCE

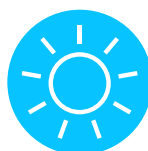
24 Hour Full Submersion

Sulfuric Acid 5%	G
Sulfuric Acid 10%	F
Citric acid 1%	E
Isopropyl Alcohol 99%	F
Aviation Fuel	G
Diesel Fuel	G
Gasoline	E
Ammonia	E
Sodium Hydroxide	E
Sodium Hypo Chlorite 5%	C
Lactic Acid	F
Hot Tire	E
Brake Fluid	P
Sulfuric Acid (Battery, Acid)	F

BENEFITS



Rapid Cure Time



UV Resistant



Chemical Resistance



Super Durable

Rating: E= No Effect G= Limited Effect F= Moderate Effect P= Unsatisfactory

MINIMAL ENVIRONMENTAL IMPACT

SPGX is committed to keeping the environmental impact of our manufacturing operations, products and services to an absolute minimum. Our systems have been engineered to have minimal impact on our environment in both the manufacturing and application process. SPGX coatings are produced with the latest state of the art high performance components. This approach creates systems designed to reduce waste and emissions while increasing durability and longevity, thus reducing the environmental impact throughout their full lifecycle.

PRECAUTIONS

Moisture vapor emission in the concrete (MVE) to be less than 3-pounds per 1000 sq. ft. for 24-hour period. Calcium Chloride test ASTM F1869-98 recommended. Should not be applied in direct sunlight or on elevated surface temperatures. Clear coating may turn opaque or cloudy in exterior application due to moisture penetration.

BASE/TOCPOAT

Quick Drying Polyurea



ARMSPGX ONE PART POLYUREA COATING

READ ALL INSTRUCTIONS BEFORE BEGINNING PROJECT. FAILURE TO FOLLOW ONE OF THESE PREPARATION METHODS WILL RESULT IN POOR ADHESION AND POSSIBLE COATING FAILURE.

PRODUCT STORAGE

Store product at normal room temperature before using. Continuous storage should be between 60 and 90°F. Low temperatures or temperature fluctuations may cause crystallization.

SURFACE PREPARATION

FOR STEEL: For best results; SSPC-SP10 or NACE 2 Near White Metal Blast Cleaning A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter. Compatible with Zinc and Epoxy primers.

FOR CONCRETE: Reference SSPC-SP13 / NACE #6, ASTM D 4259, ASTM D 4260. Surfaces must be clean, sound, dry, and free of oils, grease and other bond inhibiting contamination. Failure to properly prepare the surface could result in the product delaminating from the surface. All contamination, form -release agents, efflorescence, curing compounds, shall be removed. Minimum profile range must be achieved to insure good mechanical bonding.

PRODUCT MIXING

SPGX should be thoroughly mixed with a mixing stick or low speed mechanical mixer prior to applying. If you are using the pigmented version with optional tint pac and using multiple containers we suggest that all of the product and tint be placed into larger containers and mixed together including the pigment to prevent slight shade differences from field tinting. Once mixed, put back into the gallon cans to keep from the air. Re-sealed can be used. Failure to mix all of the product and tints together could create shade differences which is not covered under the warranty.

PRODUCT APPLICATION

SPGX can be applied by using a 3/16" low Nap adhesive type roller with a solvent resistant core. A 1/16" V - notch squeegee can be used and then back rolled. SPGX. can be applied using brush, airless sprayer and cup sprayer at low pressure. SPGX should be applied at 2-8 mils. Thicker application will increase the cure time

RESTRICTIONS

Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle. Dependent on actual complete system application, surface may be slippery, especially when wet or contaminated; keep surface clean and dry.

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.