

ARMPOLY80-RM

80% SOLIDS POLYASPARTIC COATING

PRODUCT DESCRIPTION

ARMPOLY80-RM is a two component low odor polyaspartic floor coating that provides excellent UV, chemical, and abrasion resistance plus a <24 hour return to service time. ArmorPoly 80 is a versatile coating primarily used as a base coat direct to concrete and as a top coat over psrtial and full broadcast systems. Armor Poly 80 is sold clear, but may be pigmented using Armorpoxy universal colorants.

RECOMMENDED FOR: Recommended areas where a medium build coat is desired and installation downtime is very limited. Can also be used in a full broadcast fleck system where downtime is limited.

CHEMICAL AND PHYSICAL ANALYSIS

RESIN TYPE	POLYASPARTIC POLYUREA
WEIGHT	
PER GALLON	9.0 LBS.
PER LITER	1.1 KG/L
SOLIDS BY VOLUME	80%
VOC	<250 G/L
RECOMMENDED DRY FILM THICKNESS (DFT) PER COAT	6-12 MILS
WET FILM THICKNESS (WFT) TO ACHIEVE DFT (UNTHINNED MATERIAL)	8-16 MILS
MIXING RATIO	1:1 (PART A TO PART B)
INDUCTION TIME	NONE REQUIRED
POT LIFE	30-35 MINUTES
COVERAGE	APPX. 250 SQ.FT./GAL.
DRY TIMES (@72°F AND 50% RH)	<small>CURE SCHEDULE TIMES ARE APPROXIMATE AND WILL BE AFFECTED BY TEMPERATURE CONDITIONS AND RELATIVE HUMIDITY</small>
TACK FREE	2-4 HOURS
DRY HARD	24 HOURS FOR VEHICLE TRAFFIC
RECOAT	2-12 HOURS
SHELF LIFE	2 YEARS

FEATURES AND BENEFITS

- Fast return to service time, Low Odor and can accept vehicle traffic in 24 hours
- UV Stable, excellent chemical, abrasion and heat resistance
- Can be applied at temperatures between 30°F to 90°F
- Available in gloss finish

ADVANTAGES



UV
Stable



Can be used on
Low Temp
Equipment



Tintable



Virtually No
Odor



Quick
Drying

APPLICATIONS



Marine
Protection
(Fiberglass,
Steel)



Concrete,
Wood,
Masonry



Airplane
Hangars



Warehouse
Facilities



Auto Body
Shops



Garage
Flooring



Car Wash



Waste
Facilities



Indoor
Basements



Food
Processing
Facilities

PERFORMANCE CHARACTERISTICS

TENSILE STRENGTH (ASTM D412)	6,000
COMPRESSIVE STRENGTH (ASTM D695)	9,400
ELONGATION (ASTM D412)	100
HARDNESS, SHORE D (ASTM D2240)	78
GLOSS (ASTM D523) @ 60°	90+
ABRASION RESISTANCE (ASTM D4060)	
CS-17 WHEEL, 1,000 G LOAD, 500 CYCLES	28

Restrictions

*Extreme cold temperatures may slow cure times.

**If 12 hour recoat time has elapsed, the coating must be properly abraded and cleaned prior to recoating.

The technical data and suggestions for use contained herein are correct to the best of our knowledge, and offered in good faith. The statements of this literature do not constitute a warranty, express, or implied, as to the performance of these products. As conditions and use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice. Minimum/Maximum temperature of substrate: 42 °F / 86 °F

Notice: Armorpoxy, Inc. flooring systems are FDA compliant as per the FDA and Center for Food Safety and Applied Nutrition (CFSAN) US Food Code 6.101.11 Surface Characteristics. 6-101.11 Surface Characteristics. (A) Except as specified in (B) of this section, materials for indoor floor, wall, and ceiling surfaces under conditions of normal use shall be: (1) SMOOTH, durable, and EASILY CLEANABLE for areas where FOOD ESTABLISHMENT operations are conducted; (2) Closely woven and EASILY CLEANABLE carpet for carpeted areas; and (3) Nonabsorbent for areas subject to moisture such as FOOD preparation areas, walk-in refrigerators, WAREWASHING areas, toilet rooms, mobile FOOD ESTABLISHMENT SERVICING AREAS, and areas subject to flushing or spray cleaning methods.

Reference: <https://www.fda.gov/media/110822/download> (page 117)

USDA: All armorpoxy, Inc. flooring systems are USDA compliant as per the USDA Sanitation Performance Standards Compliance Guide. 6-201.11 Floors, Walls, and Ceilings. Except as specified under § 6-201.14, the floors, floor coverings, walls, wall coverings, and ceilings shall be designed, constructed, and installed so they are smooth and easily cleanable, except that antislip floor coverings or applications may be used for safety reasons.

Reference: <https://www.fsis.usda.gov/inspection/compliance-guidance/sanitation-performance-standards-compliance-guide>

BASE/TOPCOAT

Polyaspartic

INSTRUCTIONS

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ArmorPoxy Inc.
860 Springfield Road
Union, NJ 07083
armorpoxy.com
E: support@armorpoxy.com
P: 888-755-7361

PLEASE READ INSTRUCTIONS THOROUGHLY BEFORE APPLICATION BEGINS. THIS IS A FAST DRYING PRODUCT WITH < 15 MINUTES OF WORKING TIME.

PRODUCT STORAGE: Store product in an area as to bring the material to normal room temperature before use. Continuous storage should be between 60 and 90 degrees F. Low temperatures or great temperature fluctuations may cause product crystallization.

SURFACE PREPARATION: The concrete surface must be free of all dirt, grease, oil, fats, and other contamination. Remove surface contamination by cleaning with degreaser, detergent, or other suitable cleaner. Rinse thoroughly with clean, fresh water and allowed to dry.

NEW, UNCOATED CONCRETE: New concrete must be allowed to cure for a minimum of 30 days before application. In addition to the aforementioned cleaning, the concrete must be further prepared by mechanical grinding or acid etch to remove all laitance and produce a suitable surface profile.

PREVIOUSLY COATED CONCRETE: Previously coated concrete must be in good sound condition with the existing coating tightly adhering to the concrete. In addition to the aforementioned cleaning the existing coating must be sanded to dull the finish and produce a slight surface profile. Remove all sanding dust by vacuum.

PRODUCT MIXING: Both components should be pre conditioned to a minimum of 50° F (10°C) prior to use. Thoroughly mix each component separately before combining. If only using part of a container, be sure to use a separate mixer blade for each component to avoid cross contamination.

Pour the Part A and Part B components together in a clean, dry five gallon container and power mix for a minimum of two minutes. Do not entrain air into the mixing. Do not mix more material than can be applied in 20-25 minutes.

If using less than a full container, combine the components using a mixing ratio of 1:1 by volume, Part A (Base) to Part B (Activator). If using Armorpoxy universal tint packs then add 1 Pint of tint per 2 Gal of mixed material.

EQUIPMENT RECOMMENDATIONS:

ROLLER: Use a high quality 1/4" or 3/8" inch nap lint-free roller

BRUSH: Use a disposable natural fiber chip brush, 2-4 inch wide for cut in work.

PRODUCT APPLICATION: Apply only when air, material and floor temperatures are between 30-90°F (-1-32°C). Do not apply in direct sunlight or when temperature is rising. Colder environmental conditions can slow the cure of ARMPOLY80-RM. For application outside of this temperature range, please contact ArmorPoxy Technical Service.

Immediately after mixing, pour the material onto the floor in a long, 8 to 12 inch wide stripe.

NOTE: Do not scrape the sides or bottom of the container. Use only the material that flows naturally out of the container. Also, do not turn the container upside down and leave on the floor to drain. Doing so may result with unactivated material from the sidewall of the container being applied. This will cause soft spots in the coating.

Use a roller or rubber squeegee (if applying by squeegee) to spread the material out and achieve the appx 250 sq.ft./gal. spread rate. Back roll the material smooth using a lint free roller to smooth out the finish.

NOTE: Coverage rate can vary depending on the texture and porosity of the concrete.

THINNING: Not normally required.

CLEAN-UP: Use Acetone.

FLOOR CLEANING: Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

RESTRICTIONS: Restrict the use of the floor to light traffic, non-harsh chemicals, and water until the coating is fully cured. 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.