

# **TDS**

## **ArmorPoxy Polyaspartic Floor System**



### **TDS Information**

- **2-Part Fast Curing Polyaspartic Colored Coating**
- **2-Part Fast Curing Polyaspartic Clear Coating**

**[www.armorpoxy.com](http://www.armorpoxy.com)**

**860 Springfield Road  
Union, NJ 07083**

# 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**