

TDS ArmorGarage Polyaspartic Floor Indoor-Outdoor Epoxy



TDS Information

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

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Plainfield, NJ 07062



ARMPOLY85-CM 85% SOLIDS POLYASPARTIC COATING

PRODUCT DESCRIPTION

ARMPOLY85-CM is a two component, 85% solids, V.O.C compliant, aliphatic polyaspartic polyurea that was developed for a UV stable floor coating. It provides outstanding appearance, superior chemical, UV, and solvent resistance and exhibits excellent physical properties. **RECOMMENDED FOR:** Recommended areas where a thin/medium build clear 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

SHELF LIFE	12 MONTHS
MIX RATIO	1 PART A TO 1 PART B
POT LIFE	5-10 MINUTES @ 77°F
SOLIDS BY WEIGHT	83%
SOLIDS BY VOLUME	85%
PACKAGING	2 GAL KITS. 1 GAL A, 1 GAL B
COLORS	LT-GRAY, MD-GRAY, DK-GRAY DESRT TAN, KHAKI TAN, CLEAR
RECOMMENDED THICKNESS	5-10 MILS PER COAT
COVERAGE	275 SF PER GALLON
CURE SCHEDULE	TWO COATS REQUIRED
TACK FREE	1-3 HOURS
RECOAT TIME	2-4 HOURS
FOOT TRAFFIC	8-12 HOURS
HEAVY EQUIPMENT TRAFFIC	>48 HOURS
TABER ABRASER CS-17 WHEEL/ 1000G (2.2 LBS.)/1000 CYCLES	20 MG LOSS
WATER ABSORPTION, ASTM D570	- 0.2%
HARDNESS (SHORE D), ASTM D2240	75-78
FLEXIBILITY, 1/8" MANDREL, ASTM D1737	PASS
FALLING SANS ABRASION RESISTANCE (L SAND / 1 DRY MIL), ASTM D968	- 45
GLOSS, ASTM D523	95+
TENSILE STRENGTH, ASTM D638	6500-7500 PSI
COMPRESSIVE STRENGTH (PSI MPA) ASTM D695	9500
ELONGATION AT BREAK, ASTM D638	100%
TEAR STRENGTH (PLI), ASTM D2240	350
VOC	0 G/L

CURE SCHEDULE TIMES ARE APPROXIMATE AND WILL BE AFFECTED BY TEMPERATURE CONDITIONS AND RELATIVE HUMIDITY

FEATURES

Short working time of <15 minutes // Displays fast cure times with excellent adhesion // Superior chemical resistance // Superior weather and abrasion resistance // Non yellowing and good gloss retention // Easy to mix 1:1 ratio by volume // Emits virtually no odors and can be applied indoors // Excellent adhesive properties, allowing application on other firm and hard coating as well as a good bond to the substrate // V.O.C compliant in all 50 states and in Canada

COMPOSITION

85% solids, V.O.C compliant, aliphatic polyaspartic polyurea developed to act as a UV Stable epoxy coating

PACKAGING

Sold in 2 Gal Kits consisting of 1 Gal of Part A and 1 Gal of Part B. (CLEAR)

COLOR

Available in Clear. Color pigment packs can be added for color. See color list for available colors.

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 Hangers	Warehouse Facilities	Auto Body Shops
Garage Flooring	Car Wash	Waste Facilities	Indoor Basements	Food Processing Facilities

Restrictions

Minimum/Maximum temperature of substrate: 42 °F / 86 °F Maximum relative humidity during application and curing: 85%. Substrate temperature must be 5.5 °F above dew point measured. Humidity content of substrate must be <4% when coating is applied. Do not apply on porous surfaces where a transfer of humidity may occur during application. Protect from humidity, condensation and contact with water during the 24-hour initial curing period

Notice: armorgarage, 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 ArmorGarage, 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>