

ARM356-192X

1-PART MILITARY GRADE URETHANE TOPCOAT

PRODUCT DESCRIPTION

ARM356-192X stands as a premier single-component solution, boasting high performance as an aliphatic moisture-cured clear urethane coating. Upon application, it swiftly dries to form a durable, abrasion-resistant film. Primarily utilized as a topcoat for decorative floors, toppings, and pigmented epoxy concrete coatings, ARM356-192X has exceptional impact and abrasion resistance make it a preferred choice for areas with heavy foot traffic.

CHEMICAL AND PHYSICAL ANALYSIS

| | |
|-------------------------|--------------------------------|
| SHELF LIFE | 12 MONTHS |
| MIX RATIO | 1 PART MC (STIR WELL) |
| POT LIFE | MOISTURE CURING |
| SOLIDS BY VOLUME | 65% |
| PACKAGING | 1 GAL |
| COLORS | CLEAR |
| RECOMMENDED THICKNESS | 2-4 MILS PER COAT |
| COVERAGE | 300-400 SF PER GALLON @ 4 MILS |
| CURE SCHEDULE | - |
| TACK FREE | 30 MINS- 2 HOURS |
| RECOAT TIME | 2-6 HOURS |
| FULL CURE | 3-5 DAYS |
| FINISH | GLOSS |
| APPLICATION | ROLL OR BRUSH |
| APPLICATION TEMPERATURE | 50°F TO 90°F DRY |
| THINNING | NONE REAQUIRED |
| VOC | 338 G/L |

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

FEATURES

- Unmodified oil free urethane
- Extremely hard, yet flexible film
- Excellent chemical resistance
- Easy to clean and maintain.
- One component, easy to use
- Excellent stain resistance.
- Highly resistant to abrasion and impact
- Topcoat for decorative floors
- Non-yellowing
- Water - clear color

COMPOSITION

Moisture-Cured Clear Urethane

PACKAGING

Sold in 1 Gal units

LIMITATIONS

1. Do not apply over frost, wet or damp surfaces or extremely high humidity conditions.
2. Not recommended as tank lining for constant immersion.
3. Must be recoated the same day within 6 - 12 hours. Otherwise light surface prep is required
4. Partially used containers must be reclosed tightly to prevent moisture in air from reacting with material and forming a tough skin. Skin can be removed and remaining material used. Be sure to stir.

ADVANTAGES



Abrasion Resistant



Stain Resistant



1-Part Product



Oil Free Urethane



Corrosion Resistant



Fast Recoat Time

CAUTIONS

ARM192X is flammable. Keep away from all sources of ignition during storage, mixing, application and cure. Contains Polyisocyanate based on aromatic solvents. When applying, the use of goggles, fresh air masks or NIOSH approved respirators, protective skin cream, and protective clothing is recommended as a standard practice. This product is sold without warranty as to performance expressed or implied. Users are urged to make their own tests to determine the suitability for their particular conditions.



ARM356-192X

1-PART MILITARY GRADE URETHANE TOPCOAT

PLEASE READ INSTRUCTIONS THOROUGHLY BEFORE APPLICATION BEGINS.

PRODUCT USES

- IDEAL AS A CLEAR TOP COAT FOR COLOR QUARTZ, VINYL/ACRYLIC CHIP DECORATIVE FLOORS, PIGMENTED EPOXY AND POLYURETHANE COATINGS, EPOXY SLURRIES/MORTARS, INTERIOR WOOD, BRICK AND WAREHOUSE FLOOR COATINGS. ARM356-192X IS DESIGNED FOR APPLICATION IN FACTORIES, ASSEMBLY PLANTS, LABS, PUBLIC INSTITUTIONS, SCHOOLS, GARAGES, SHOWROOMS AND MANY OTHER FACILITIES.

SURFACE PREPARATION

IN ALL CASES OF SURFACE PREPARATION, THE PH SHOULD BE CHECKED. A PH READING OF 7.0 TO 8.5 IS ACCEPTABLE. ALSO, A WATER DISSIPATION TEST SHOULD BE MADE ON RANDOM AREAS OF THE FLOOR TO DETERMINE IF THE PROPER DEGREE OF POROSITY HAS BEEN ACHIEVED. BEFORE THE INSTALLATION OF ANY ARMORPOXY, THE SUBSTRATE SHOULD BE EXAMINED FOR MOISTURE. TEST FOR MOISTURE VAPOR TRANSMISSION USING ASTM F-1869 STANDARD TEST METHOD FOR MEASURING MOISTURE VAPOR EMISSION RATE OF CONCRETE SUBFLOOR USING ANHYDROUS CALCIUM CHLORIDE. THE MAXIMUM ALLOWABLE RATE IS 3 LBS. PER 1,000 SQUARE FEET PER 24 HOURS. TEST FOR RELATIVE HUMIDITY IN CONCRETE FLOOR SLABS USING PROBES ACCORDING TO ASTM F-2170. THIS TEST MEASURES THE PRESENCE RELATIVE HUMIDITY OF THE SLAB BELOW THE SURFACE. THE MAXIMUM RELATIVE HUMIDITY SHOULD BE BELOW 80%.

NEW CONCRETE MUST BE CURED AT LEAST A MINIMUM OF 28 DAYS BEFORE APPLYING A COATING. ON-GRADE SLABS MUST HAVE MOISTURE VAPOR BARRIER IN PLACE. ALL LAITANCE, SEALERS, EFFLORESCENCE, CHEMICAL CONTAMINANTS, GREASE, OIL AND OTHER FOREIGN MATERIAL MUST BE REMOVED. THE PREPARED SURFACE MUST BE CLEAN, DRY AND STRUCTURALLY SOUND. ARMORPOXY RECOMMENDS MECHANICAL PREPARATION BY MEANS OF SHOT BLASTING OR DIAMOND GRINDING TO ACHIEVE A CSP-2 OR CSP-3 PROFILE, IN ACCORDANCE WITH THE INTERNATIONAL CONCRETE REPAIR INSTITUTE (ICRI). THE PROFILE SHOULD REFLECT SOMETHING SIMILAR TO A 60-100 GRIT SANDPAPER. IF THE SUBSTRATE IS NOT PROPERLY PREPARED AND THE APPROPRIATE PROFILE IS NOT ACHIEVED, FAILURE OF THE PRODUCT TO ADHERE TO THE SUBSTRATE MAY OCCUR.

OLD CONCRETE SURFACES MUST BE STRUCTURALLY SOUND. ANY UNSOUND AREAS MUST BE REPAIRED PRIOR TO PROCEEDING WITH THE RESINOUS INSTALLATION. FOR PROPER PATCHING AND REPAIRING, USE CF-615 AND/OR PC-1000 WITH GRADED AGGREGATE. REMOVE EXISTING PAINT AND LOOSE CONCRETE BY ROUGH SANDING, SANDBLASTING, HIGH PRESSURE WATER CLEANING, SHOT BLASTING OR GRINDING. IN SOME CASES WHERE PLANT CONDITIONS ALLOW, A STRIPPER MAY BE USED TO REMOVE EXCESSIVE BUILD-UP OF PAINTS OR SEALERS.

MIXING INSTRUCTIONS

ARM356-192X IS MADE READY FOR USE BY STIRRING. WHEN USED OVER A PERIOD OF TIME, STIR OCCASIONALLY TO MAINTAIN UNIFORM MIX. THINNING IS NOT USUALLY NECESSARY. IF DONE, USE UP TO 1 PINT SA-50 REDUCER WHICH IS A WATER FREE GRADE. KEEP UNUSED MATERIAL TIGHTLY CLOSED AT ALL TIMES.

APPLICATION PROCEDURE

ARM356-192X CLEAR POLYURETHANE IS A TOP COAT AND IS NORMALLY NOT RECOMMENDED DIRECTLY OVER UNPRIMED SURFACES. APPLY OVER APPROPRIATE PRIMERS, INTERMEDIATE COATS, OR DECORATIVE FLOORS. SURFACES MUST BE FREE FROM ALL OIL, GREASE, WATER OR OTHER FOREIGN MATTER. SURFACE SHOULD BE DRY AND ABOVE 50°F AND RISING. RELATIVE HUMIDITY SHOULD NOT EXCEED 85%. ARMORPOXY'S ARM356-192X IS MOISTURE SENSITIVE DURING APPLICATION AND INITIAL CURE. DO NOT APPLY IF SURFACE TEMPERATURE IS WITHIN 5° OF DEW POINT. NOT RECOMMENDED ON FLOORS SUSCEPTIBLE TO HYDROSTATIC PRESSURE. BEST METHODS OF APPLICATION ARE USING LAMBSWOOL APPLICATORS OR SHORT NAP ROLLERS. ARM356-192X CAN BE BRUSHED BY USING PURE CHINESE BRISTLE BRUSHES. FOR ROLLING, USE A ¼" - 3/8" SHED RESISTANT PHENOLIC CORE COVER. ROLL IN THE SAME DIRECTION, ALWAYS KEEPING A WET EDGE. DO NOT OVER ROLL PRODUCT WHEN APPLYING MULTIPLE COATS OF ARM356-192X; LIGHTLY SAND BETWEEN COATS. BE SURE TO REMOVE ALL DUST. FOR SAFETY AND PROPER CURING, PROPER VENTILATION IS NECESSARY THROUGHOUT APPLICATION AND CURE. ANY FOODSTUFF AND FURNISHINGS IN THE APPLICATION AREA SHOULD BE REMOVED PRIOR TO APPLICATION. WHEN USING PIGMENTED INTERMEDIATE COATS, BE SURE THE BATCH NUMBERS ARE ALL THE SAME TO PROVIDE A UNIFORM BASE COLOR. ARM356-192X CAN BE SPRAYED WITH AN AIRLESS UNIT.

SEE SAFETY DATA SHEET FOR FULL SAFETY PRECAUTIONS.

KEEP AWAY FROM CHILDREN.