

**TD.756 – TECHNICAL DATA: ARMA-MENT™ SR7 - Hybrid Urethane/Epoxy Coating**

Revised: 1.22.17

Product Name: ARMA-MENT™ SR7 - Hybrid Urethane/Epoxy Coating

Description: ARMA-MENT™ SR7 is a patented resinous, fluid applied floor coating product featuring a 100% solids urethane and epoxy blended, non-isocyanate. USDA, FDA & CIFA acceptable. For use as a gloss, coating for 100% resinous flooring with good UV resistance and surpasses the scratch resistance of most conventional urethane coatings.

**USES:**

High performance decorative resinous flooring  
 Foyers, showrooms and garage floors  
 Manufacturing areas and traffic aisles  
 Excellent for neat, flake and quartz flooring  
 Intended for use as top coat over epoxy

**FEATURES:**

Excellent chemical and abrasion resistance  
 Self-healing annealing from abrasion and light scratches  
 Superior gloss and impact resistance  
 No need for an aliphatic urethane topcoat  
 Specialty approved pigment additives can be introduced

Property	Physical Properties	
	Test Standard	Result
Working Time:	ASTM C-881	20 minutes
Color (mixed)		Clear
Consistency		Flowable
Compressive Strength	ASTM D-695	8,500 psi
Compressive Modulus	ASTM D-695	>380,000 psi
Concrete Bond Strength	ASTM C-882	350 psi 24 hours 400 psi 7 days
Absorption (water)	ASTM D-570	0.02%
Taber Crockmeter Mar Scratch Resistance:	ASTM D6279	95% - 97% mar and scratch resistance
Xenon Weatherometer	ASTM D6695	Minimal loss of gloss after 1000 hours of exposure
Taber Abrasion 1000 grams, 1000 cycles	ASTM D 4060-01	
CS 10 wheel		5-7 mg loss
CS 17 wheel,		11-15 mg loss
Part A Resin		900 cps
Part B Hardener		400 cps
Mixed		600 cps

**Mix Ratio:**

Pre-engineered  
 1.25 gallon unit: 0.75 gal part A, 0.5 gal part B  
 5 gallon unit: 3 gallons part A, 2 gallons part B  
 Specifically: 60.4% part A, 39.6% part B

**Cure Schedule: @ 75°F or 24°C**

Pot Life: 20 minutes (200g Mass)  
 Recoat: 24 hrs. Do not solvent wipe before 72 hrs.  
 Light foot traffic: 24 to 36 hrs.  
 Normal traffic scratch/abrasion resistance: 3 days  
 Full chemical resistance and healing: 14 days

**Chemical Resistance (splash and spill once cured)**

<b>Water</b>	<b>excellent</b>	<b>Skydrol LD – 4 fluids</b>	<b>excellent</b>
<b>Motor oil</b>	<b>excellent</b>	<b>Sanitizers in hot water</b>	<b>excellent</b>
<b>Gasoline</b>	<b>excellent</b>	<b>10% Sulfuric acid</b>	<b>excellent</b>
<b>JP jet fuels</b>	<b>excellent</b>	<b>10% HCL</b>	<b>excellent</b>
<b>Caustic cleaners</b>	<b>excellent</b>	<b>Sodium hydroxide</b>	<b>excellent</b>
<b>Animal fats</b>	<b>excellent</b>	<b>Beer</b>	<b>excellent</b>
<b>Alcohols</b>	<b>excellent</b>	<b>Wine</b>	<b>excellent</b>
<b>Low concentrations of organic acids</b>	<b>excellent</b>	<b>Most other caustics</b>	<b>excellent</b>

Coverage varies depending on requirements.

Minimum recommended application temperature 70°F for best results.