

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

Revised: 12.14.17

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

Description: ARMA-MENT™ SR7 is a patented breakthrough in resinous, fluid applied floor coating products featuring a 100% solids urethane and epoxy blended, non-isocyanate and USDA, FDA & CIFA acceptable. It is a high gloss, clear coating for flooring with good UV resistance and surpasses the scratch resistance of 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

**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

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: Xenon Weatherometer	ASTM D6279 ASTM D6695	95% - 97% mar and scratch resistance Minimal loss of gloss after 1000 Hours exposure
Taber abrasion 1000 grams, 1000 cycles CS 10 wheel CS 17 wheel, Part A Resin Part B Hardener Mixed	ASTM D 4060-01	5-7mg loss 11-15 mg loss 900 cps 400 cps 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

**Cure Schedule: 75°F (24°C)**

Pot Life: 20 minutes (200g Mass)  
Recoat: 24 hour  
Foot traffic: 24 hours  
Full chemical resistance 14 days

**Chemical Resistance (splash and spill)**

<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>Skydrol Id-4</b>	<b>excellent</b>	<b>alcohols</b>	<b>excellent</b>