

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

Revised: 6.17.20

**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

**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

<u>Property</u>	<u>Physical Properties Test Standard</u>	<u>Result</u>
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:**

- 1.5-gallon unit: 1-gal part A, 0.5-Gal part B
- 3-gallon unit: 2 gallons part A, 1-gallon part B
- 15-gallon unit: 10 gallons part A, 5 gallons 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.
- Foot traffic: 24 hrs.
- Normal traffic scratch/abrasion resistance: 72 hours
- Full chemical resistance and healing: 7 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.