

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)

Water	excellent	Skydrol LD – 4 fluids	excellent
Motor oil	excellent	Sanitizers in hot water	excellent
Gasoline	excellent	10% Sulfuric ACID	excellent
JP jet fuels	excellent	10% HCL	excellent
Caustic cleaners	excellent	Sodium hydroxide	excellent
Animal fats	excellent	Beer	excellent
Skydrol Id-4	excellent	alcohols	excellent