

**TD.483 – TECHNICAL DATA: SPARTIC-ALL™ RM**

Revised: 1/7/20

**Product Name:** SPARTIC-ALL™ RM Clear Polyaspartic Coating

**Product Class:** A fast curing, clear floor coating for interior residential, commercial and industrial use.

**Description:** SPARTIC-ALL™ RM is a high solid, water clear, non-shrink, two-component polyaspartic ester floor coating. Used for a multitude of applications listed below. Exhibits a higher abrasion resistance and stain resistance as compared to most epoxy coatings. UV resistant and has Excellent long-term durability to constant traffic.

**Use Applications:**

- On dry concrete surfaces and concrete overlays without moisture present.
- Concrete surfaces for foot traffic and vehicular pneumatic tires.
- As a clear protective coating for interior flooring.
- As a clear finish for flake or quartz broadcast finishes.
- As a protective finish for: garage floors, warehouses, medical facilities, commercial floors, etc.

**Key Features:**

- High-Gloss
- Low Odor
- VOC compliant
- Non-Shrink Coating
- Fast Cure Rate
- Excellent Strength Properties
- Excellent Impact Resistant
- Used as Neat, Slurry, or Broadcast System

**Product Properties:**

Material and Curing Conditions at 73°F (23C) unless noted, 50% R.H.

- Color: Clear or Clear Base (can be pigmented)
- Viscosity: 300 – 700 cps.
- Pot life: 10 to 15 minutes
- Consistency: Semi Self-Leveling
- Mix Ratio: 2 Parts B to 1 Part A by volume

- **Brookfield Viscosity, mPa-s,**  
ASTM D-2196, 22°C 1500 cps @ 23°C
- **Gardner Circular Dry Times**      Surface Dry: 2.0 – 3.0 hours  
Condition: 72°F, 54% R.H            Hard Dry: 3.0 – 4.0 hours  
Mar Free: 5.0 – 8.0 hours
- **Gloss, ASTM D-523:** 60° 90 +
- **Impact, in. lbs., ASTM D-2794**  
Direct: 60  
Reverse: 10
- **Taber Abrasion, ASTM D-4060**  
1000 g load, 1000 cycles, CS-17 wheel – 9.5 mg. loss
- **MEK Double Rubs, TM-2 Method #9**  
50 Double Rubs: softened
- **Pendulum Hardness:** 180 sec.

- **Tensile Properties:** (ASTM D 638) 7 Days  
Tensile Strength: 7,100 psi  
Elongation at Break: 9.2%
- **Flexural Properties:** (ASTM D 790) 7 Days  
Flexural Strength: 11,100 psi
- **Slant Shear Strength:** (ASTM C 882) - 7 Days  

Test Temperature	Value	Mode of Failure
90°F	6,200 psi	100% Concrete Failure
40°F *	5,300 psi	100% Concrete Failure
- **Compressive Strength:** (ASTM D 695) - 73°F  
8-hour: 7,300 psi  
1 day: 11,200 psi  
7 days: 14,100 psi
- **Bond Strength:** (Mild Steel to Mild Steel) 900 psi
- **Hardness, Shore D (ASTM D 2240)**  
7 Days: 93
- **Water Absorption (D 570)**  
7 Days: 0.33%

**Available Packaging:**

- 1.5-gal, 3-gal, and 15-gal kits

**Suggested Storage:**

- Store in a cool place
- Shelf Life: 1 year in original unopened containers

Read Product Information Sheet and Safety Data Sheet before use to fully understand application methods and safety precautions.