

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

Revised: 1.22.16

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 solids, 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.
- 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

Key Features:

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. kits.
- 3 gal. kits.
- 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.