

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

Revised: 3.27.09

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 an extremely high solids, water clear, non-shrink, two-component polyaspartic ester floor coating.

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, architectural finishes and decorative overlays, etc.
- As a clear finish for flake or quartz broadcast finishes.
- As a protective finish for garage floors, warehouses, medical facilities, etc.

Key Features:

- High-Gloss
- Nearly No 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 unless noted, 50% R.H.)

- Color – Clear or Clear Base (can be pigmented)
- Viscosity - 300 – 700 cps.
- Potlife – 10 to 15 minutes
- Consistency – Semi Self-Leveling
- Mix Ratio – 70% Part B and 30% Part A

- 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 - 95.6 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 ⁰ F | 6,200 psi | 100% Concrete Failure |
| 40 ⁰ F * | 5,300 psi | 100% Concrete Failure |
- Compressive Strength - (ASTM D 695) - 73⁰F

| | |
|--------|------------|
| 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 - 86
- 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 Material Safety Data Sheet before use to fully understand application methods and safety precautions.