

**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:**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• On dry concrete surfaces and concrete overlays without moisture present.</li> <li>• Concrete surfaces for foot traffic and vehicular pneumatic tires.</li> <li>• As a clear protective coating for interior flooring.</li> <li>• As a clear finish for flake or quartz broadcast finishes.</li> <li>• As a protective finish for garage floors, warehouses, medical facilities, commercial floors, etc.</li> </ul> | <ul style="list-style-type: none"> <li>• High-Gloss</li> <li>• Low Odor</li> <li>• VOC compliant</li> <li>• Non-Shrink Coating</li> <li>• Fast Cure Rate</li> <li>• Excellent Strength Properties</li> <li>• Excellent Impact Resistant</li> <li>• Used as Neat, Slurry, or Broadcast System</li> </ul> |
|---|---|

**Key Features:**
**Product Properties:**

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

- | <ul style="list-style-type: none"> <li>• Color – Clear or Clear Base (can be pigmented)</li> <li>• Viscosity - 300 – 700 cps.</li> <li>• Pot life – 10 to 15 minutes</li> <li>• Consistency – Semi Self-Leveling</li> <li>• Mix Ratio – 2 Parts B to 1 Part A by volume</li> </ul>  | <ul style="list-style-type: none"> <li>• Brookfield Viscosity, mPa·s,<br/>ASTM D-2196, 22°C      1500 cps @ 23°C</li> </ul>  | <ul style="list-style-type: none"> <li>• Tensile Properties - (ASTM D 638) 7 Days<br/>Tensile Strength – 7,100 psi<br/>Elongation at Break – 9.2%</li> </ul> |          |                 |          |  |  |   |                  |            |                 |            |           |                       |        |           |                       |
|---|--|--|----------|-----------------|----------|--|--|---|------------------|------------|-----------------|------------|-----------|-----------------------|--------|-----------|-----------------------|
| <ul style="list-style-type: none"> <li>• Gardner Circular Dry Times<br/>Condition - 72°F, 54% R.H.</li> </ul> <table border="0" style="margin-left: 20px;"> <tr> <td>Surface Dry</td><td>2.0 – 3.0 hours</td></tr> <tr> <td>Hard Dry</td><td>3.0 – 4.0 hours</td></tr> <tr> <td>Mar Free</td><td>5.0 – 8.0 hours</td></tr> </table> | Surface Dry  | 2.0 – 3.0 hours  | Hard Dry | 3.0 – 4.0 hours | Mar Free | 5.0 – 8.0 hours  | <ul style="list-style-type: none"> <li>• Flexural Properties - (ASTM D 790) 7 Days<br/>Flexural Strength - 11,100 psi</li> </ul> | <ul style="list-style-type: none"> <li>• Slant Shear Strength - (ASTM C 882) - 7 Days</li> </ul> <table border="0" style="margin-left: 20px;"> <thead> <tr> <th>Test Temperature</th><th>Value</th><th>Mode of Failure</th></tr> </thead> <tbody> <tr> <td>90°F</td><td>6,200 psi</td><td>100% Concrete Failure</td></tr> <tr> <td>40°F *</td><td>5,300 psi</td><td>100% Concrete Failure</td></tr> </tbody> </table> | Test Temperature | Value      | Mode of Failure | 90°F       | 6,200 psi | 100% Concrete Failure | 40°F * | 5,300 psi | 100% Concrete Failure |
| Surface Dry   | 2.0 – 3.0 hours  |  |          |                 |          |  |  |   |                  |            |                 |            |           |                       |        |           |                       |
| Hard Dry  | 3.0 – 4.0 hours  |  |          |                 |          |  |  |   |                  |            |                 |            |           |                       |        |           |                       |
| Mar Free  | 5.0 – 8.0 hours  |  |          |                 |          |  |  |   |                  |            |                 |            |           |                       |        |           |                       |
| Test Temperature  | Value  | Mode of Failure  |          |                 |          |  |  |   |                  |            |                 |            |           |                       |        |           |                       |
| 90°F  | 6,200 psi  | 100% Concrete Failure  |          |                 |          |  |  |   |                  |            |                 |            |           |                       |        |           |                       |
| 40°F *  | 5,300 psi  | 100% Concrete Failure  |          |                 |          |  |  |   |                  |            |                 |            |           |                       |        |           |                       |
| <ul style="list-style-type: none"> <li>• Gloss, ASTM D-523      60°      90 +</li> </ul>  | <ul style="list-style-type: none"> <li>• Impact, in. lbs, ASTM D-2794</li> </ul> <table border="0" style="margin-left: 20px;"> <tr> <td>Direct</td><td>60</td></tr> <tr> <td>Reverse</td><td>10</td></tr> </table> | Direct   | 60       | Reverse         | 10       | <ul style="list-style-type: none"> <li>• Compressive Strength - (ASTM D 695) - 73°F</li> </ul> <table border="0" style="margin-left: 20px;"> <tr> <td>8 hour</td><td>7,300 psi</td></tr> <tr> <td>1 day</td><td>11,200 psi</td></tr> <tr> <td>7 days</td><td>14,100 psi</td></tr> </table> | 8 hour   | 7,300 psi   | 1 day            | 11,200 psi | 7 days          | 14,100 psi |           |                       |        |           |                       |
| Direct  | 60   |  |          |                 |          |  |  |   |                  |            |                 |            |           |                       |        |           |                       |
| Reverse   | 10   |  |          |                 |          |  |  |   |                  |            |                 |            |           |                       |        |           |                       |
| 8 hour  | 7,300 psi  |  |          |                 |          |  |  |   |                  |            |                 |            |           |                       |        |           |                       |
| 1 day   | 11,200 psi   |  |          |                 |          |  |  |   |                  |            |                 |            |           |                       |        |           |                       |
| 7 days  | 14,100 psi   |  |          |                 |          |  |  |   |                  |            |                 |            |           |                       |        |           |                       |
| <ul style="list-style-type: none"> <li>• Taber Abrasion, ASTM D-4060<br/>1000 g load, 1000 cycles, CS-17 wheel – 9.5 mg. loss</li> </ul>  | <ul style="list-style-type: none"> <li>• Bond Strength - (Mild Steel to Mild Steel) 900 psi</li> </ul>   | <ul style="list-style-type: none"> <li>• Hardness, Shore D (ASTM D 2240)<br/>7 Days - 93</li> </ul>  |          |                 |          |  |  |   |                  |            |                 |            |           |                       |        |           |                       |
| <ul style="list-style-type: none"> <li>• MEK Double Rubs, TM-2 Method #9<br/>50 Double Rubs - softened</li> </ul>   | <ul style="list-style-type: none"> <li>• Pendulum Hardness - 180 sec.</li> </ul>   | <ul style="list-style-type: none"> <li>• Water Absorption (D 570)<br/>7 Days - 0.33%</li> </ul>  |          |                 |          |  |  |   |                  |            |                 |            |           |                       |        |           |                       |

**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.