## Chemical Resistance

**Terrazzo Test Blocks (3 Coats)**

1 Hour Covered Spot Test

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>No Effect</td>
</tr>
<tr>
<td>Skydrol Hydraulic Fluid</td>
<td>No Effect</td>
</tr>
<tr>
<td>HCL</td>
<td>No Effect</td>
</tr>
<tr>
<td>Kerosene</td>
<td>No Effect</td>
</tr>
<tr>
<td>Diesel Fuel</td>
<td>No Effect</td>
</tr>
<tr>
<td>Gasoline</td>
<td>No Effect</td>
</tr>
<tr>
<td>Windshield Washer Fluid</td>
<td>No Effect</td>
</tr>
<tr>
<td>Automatic Transmission Fluid</td>
<td>No Effect</td>
</tr>
<tr>
<td>50% Ethanol</td>
<td>No Effect</td>
</tr>
<tr>
<td>70% Isopropanol</td>
<td>Full Recovery</td>
</tr>
<tr>
<td>10% Ammonia</td>
<td>No Effect</td>
</tr>
<tr>
<td>Red Wine Vinegar</td>
<td>No Effect</td>
</tr>
<tr>
<td>Beet Juice</td>
<td>No Effect</td>
</tr>
<tr>
<td>Coca Cola</td>
<td>No Effect</td>
</tr>
<tr>
<td>Tomato Juice</td>
<td>No Effect</td>
</tr>
<tr>
<td>Beer</td>
<td>No Effect</td>
</tr>
<tr>
<td>Pickle Juice</td>
<td>No Effect</td>
</tr>
<tr>
<td>Mustard</td>
<td>Faint Stain, Full Recovery</td>
</tr>
<tr>
<td>50% Ethanol</td>
<td>No Effect</td>
</tr>
<tr>
<td>70% Isopropanol</td>
<td>Slight Softening</td>
</tr>
<tr>
<td>10% Ammonia</td>
<td>No Effect</td>
</tr>
<tr>
<td>Red Wine Vinegar</td>
<td>No Effect</td>
</tr>
<tr>
<td>Beet Juice</td>
<td>No Effect</td>
</tr>
<tr>
<td>Coca Cola</td>
<td>No Effect</td>
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<td>Tomato Juice</td>
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<td>Beer</td>
<td>No Effect</td>
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<tr>
<td>Pickle Juice</td>
<td>No Effect</td>
</tr>
<tr>
<td>Mustard</td>
<td>Faint Stain, Full Recovery</td>
</tr>
</tbody>
</table>

* Properties are typical and subject to usual manufacturing tolerances.

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**Properties**

- **Type**: 2-K Urethane / Acrylic Hybrid
- **Form**: Opaque Liquid
- **Odor**: Bland
- **Color**: Milky White
- **Weight Per Gallon**: 8.60 Lbs. (Part A)
- **pH**: 8.65
- **Floor Solids**: 22%
- **V.O.C. (as used)**: 231 g/l
- **Hardness (7 day Konig)**: 130 Secs.
- **Moisture Resistance**: Non-Whitening
- **Chemical Resistance**:
  - Water: No Effect
  - Skydrol Hydraulic Fluid: No Effect
  - HCL: No Effect
  - Kerosene: No Effect
  - Diesel Fuel: No Effect
  - Gasoline: No Effect
  - Windshield Washer Fluid: No Effect
  - Automatic Transmission Fluid: No Effect
  - 50% Ethanol: No Effect
  - 70% Isopropanol: Full Recovery
  - 10% Ammonia: No Effect
  - Red Wine Vinegar: No Effect
  - Beet Juice: No Effect
  - Coca Cola: No Effect
  - Tomato Juice: No Effect
  - Beer: No Effect
  - Pickle Juice: No Effect
  - Mustard: Faint Stain, Full Recovery

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Scan this QR code at any time for mobile access to electronic directions, application videos, demos and Safety Data Sheets.

Ultra Durable
IPN Technology
- No Burnishing or Stripping
- Restores and Protects
- Natural Beauty

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**Powered by Essential Polymers**

**Complete Terrazzo Solution**

www.trxcoating.com
T-Rx is a permanent, high performance terrazzo coating designed for high-traffic interior applications. It uses IPN technology to provide unsurpassed mar and scratch resistance, high gloss and excellent chemical resistance.

Traditional vs. IPN Technology

The problem with traditional finish or densifier-based diamond pad systems is the rapid appearance of cowpathering. Cowpathering occurs because the polymers in these systems scratch off the floor with foot traffic. The less durable architecture of these products is what allows the coating to degrade through scuffing. If you looked under a microscope, these polymers look like distinct little tangles of urethane and/or acrylic held together by relatively weak hydrogen bonds as in Figure A below. These weaker bonds aren’t strong enough to stand up to heavy traffic and the polymers are quickly removed from the surface of the floor to create cowpathing.

T-Rx uses IPN technology, or Interpenetrating Polymer Networks, a completely different architecture. In IPNs, long strands of urethane and acrylic polymers are interwoven and then welded together (see Figure B below). The dense “weave-weld” architecture gives the T-Rx polymer tremendous strength and chemical resistance.

Because the polymers in T-Rx are woven and welded together, they are much harder to scuff off the floor, so there’s no cowpathing; the coating remains glossy and uniform in its appearance for up to a year or more, depending on traffic. The T-Rx IPN architecture has another major advantage, it’s extremely resistant to chemical and water staining. Chemicals simply can’t get through the dense weave-weld matrix.

- Permanent
- Ultra Durable
- UV-Stable
- Restores Terrazzo Color
- Extremely Resistant To:
  - Cowpathing
  - Scratching and Scuffing
  - Dirt Penetration
  - BHIM (Black Heel Marks)
- No Burnishing
- No Expensive Diamond Pads
- No Densifiers or Restorers Needed
- Applies Like a Floor Finish
- Never Strip Again

“I love how good the T-Rx coating looks and has held up through the worst winter we have had in 30 years. All the ice melt tracked in had no effect on the T-Rx. The floor has no scuffs or marks on it. I’m pleased with T-Rx and want to do the rest of our terrazzo floors with it.”

Michael Klipatrick – Facilities Manager
Monon Center – Carmel, IN

www.trxcoating.com