



Product Data Sheet

Water Flecks®
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Product Description:

Water Flecks® is comprised of a U.V. resistant, granulated thermoplastic rubber surface mixed with a two-part chlorine resistant urethane binder designed to withstand long-term exposure to chlorinated water even when totally submerged. **Water Flecks®** can be installed directly on top of concrete or if desired, in combination with our EnviroFluff® to create the only true safety surface for waterplay that is 100% chlorine resistant. **Water Flecks®** is a non-slip, safe, decorative surface which will not fade and resists cracking in freeze thaw environments. **Water Flecks®** comes in 16 different colors that can be blended to create unlimited color blends, patterns, and designs to fit your needs and desire. **Water Flecks®** is cooler to the touch than most surfaces making it the ideal surface for all your aquatic surfacing needs. **Water Flecks®** is available in both porous and non-porous finishes. **Water Flecks® Non-Porous** finish is created by applying Flecks® two-part aliphatic grout coat.

Water Flecks® helps deter the growth of bacteria, algae, and fungi with the use of anti-microbial additives incorporated into the system. However, in certain situations with poor drainage and standing water, additional repetitive maintenance may be required. In addition, overtime, the anti-microbial additives weaken, and an additional anti-microbial topcoat would be recommended. Please refer to our Maintenance Procedures available on our website (www.fleckssystems.com) for some recommended cleaning tips.

Physical Properties:

1. Elongation: 300%
2. Tensile Strength: 25 mPa
3. Hardness Shore A: 65
4. Density: 0.90 g/l

Mechanical Properties:

1. Compression Set: Excellent
2. Rebound Rating: Excellent
3. Flexural, Crack Resistance: Good to Excellent
4. Shrinkage Resistance – Excellent
5. Abrasion Resistance - Good
6. Tear Resistance – Good
7. Impact Resistance – Excellent
8. Flame Resistance – Good

Technical Properties:

1. Particle size: 1mm – 2mm
2. Composition: TPR (Thermoplastic Rubber)
3. Mixing Ratio by Volume: 45 lb. bag to 5 Quarts of Flecks® Two-Part Urethane Binder.
4. Spread Rate: 40 sq. ft. per bag @ 3/8" thickness
5. Toxicity – Non-toxic; no harmful ingredients

Environmental Resistance:

1. Thermal Shock: Excellent
2. Ozone Resistance: Excellent
3. U.V. Resistance/Light Stability: Excellent
4. Chlorine Resistance – Excellent
5. Oxidization Resistance: Good
6. Chemical Resistance: Good
7. Radiation Resistance: Good
8. Non-Leaching: Excellent