

Flecks[®] *CAST*[™]

Product Data Sheet

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rev. 022819

Product Description:

***FlecksCast*[™]** is a highly U.V. resistant non-porous system applied over new or old cracked concrete, asphalt, wood, and fiberglass substrates. Our unique granulated thermoplastic rubber fines are broadcast to excess into our two-part urethane basecoat. Once cured overnight, the excess TPR Fines are removed and Flecks[®] Topcoat is applied to create an excellent non-slip, safe, non-porous surface which will not fade or chalk. ***FlecksCast*[™]** comes in 16 different colors that can be blended together to create unlimited color blends to fit your needs and desire. ***FlecksCast*[™]** can be customized by using vinyl colored flake chips in place of TPR fines. This will create a less abrasive, decorative surface while still providing a non-slip finish that is ideal to use in areas with high traffic due to its durability and cleanability. ***FlecksCast*[™]** is used indoors at health and athletic club locker rooms, shower/bathrooms as well as outdoors on warning tracks at football stadiums/sports stadiums, walkways, patios, balconies, and various other indoor and outdoor applications where a non-porous, slip resistant surface is needed.

Physical Properties:

1. Elongation: 340%
2. Tensile Strength: 3200 psi
3. Tear Strength: 360 pli
3. Hardness Shore A: 80
4. Density: 0.90 g/l – 9.7 lbs./gal

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. TPR Particle size: 0.5 mm – 1.5 mm
2. Composition: Urethane Basecoat, TPR (Thermoplastic Rubber) Fines, Aliphatic Two-Part Urethane Topcoat.
 - a. Vinyl colored flake chips
 - b. Particle Sizes: 1/8" and 1/16"
3. Overall Thickness: 1/8" and 1/4"
 - Can be applied overtop EnviroFluff[®] cushioned layer to create an impact attenuating, non-porous system.
4. Spread Rate: Varies upon thickness applied.
5. Cure Times:
 - 18-24 Hours to reach 70-75 Shore A
 - 12-18 hours before recoating or application of topcoats.
6. Basecoat Pot Life: 30-40 Minutes
7. Toxicity – Non-toxic; no harmful ingredients

Environmental Resistance:

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