



## VS. POURED IN PLACE SURFACING (PIP)

### Play Flecks® Thermoplastic Rubber

#### TPR

##### ADVANTAGES

- U.V. Resistant/Light Stable.
- Anti-Microbials included in both Urethane Binder and Rubber Granular to prevent bacteria growth.
- Porous surface allowing water to drain completely through.
- No harmful ingredients to children or the environment.
- Designs/Logos can be incorporated into the play surface adding play value.
- Meets and exceeds impact attenuation (ASTM F1292) in all-weather using our patented EnviroFluff® cushion surface.
- High quality products won't lose physical properties over time.
- Can be installed over a hard base or crushed stone base.
- Low Maintenance
- ADA/Wheelchair accessible.
- 100% Recyclable.
- Totally seamless surface.
- 5-Year Warranty.
- Repairs easily.

##### DISADVANTAGES

- Requires professional installation.
- Higher initial cost.
- Requires annual cleaning (leaf blower/power washer) to remove dirt and/or debris.

### Ethylene Propylene Diene Monomer

#### EPDM

##### ADVANTAGES

- Initial low maintenance.
- ADA/Wheelchair accessible.
- Totally seamless surface.
- Water permeable surface allowing water to drain completely through.
- Designs/Logos can be incorporated into the play surface adding play value.
- Can be installed over a hard base or crushed stone base.

##### DISADVANTAGES

- Wide variations in quality of materials.
- Sunlight (U.V.) changes physical properties of the system and will make the granular hard and brittle.
- Colors fade/discolor rapidly.
- High maintenance.
- After 1-3 years, EPDM systems lose their impact attenuation properties causing failure to meet ASTM F1292 standards.
- Requires professional installation.
- EPDM rubber becomes worn and brittle over time creating tears and loose rubber particles.
- Due to color fading, repairs are easily noticeable.
- Loose rubber particles can make the surface slippery.
- Worn areas create tripping hazards.
- To keep the cost low, many EPDM surface use black in the mix which make surface temperatures become very hot.
- High installation costs.
- SBR buffing used in the cushioned layer have been found to contain harmful chemicals.

### Ethylene Propylene Rubber marketed as:

#### “TPV”

##### ADVANTAGES

- Low maintenance.
- ADA/Wheelchair accessible.
- Totally seamless surface.
- Water permeable surface allowing water to drain completely through.
- Designs/Logos can be incorporated into the play surface adding play value.
- Can be installed over a hard base or crushed stone base.
- Better U.V. stability than EPDM.

##### DISADVANTAGES

- Rosehill TPV is only marketed as a Thermoplastic Vulcanized Rubber. There are no thermoplastic characteristics and it is not a true thermoplastic rubber.
- Variety in quality of materials. Single component aliphatic and aromatic binders used depending on installer.
- High installation costs.
- SBR buffing used in the cushioned layer have been found to contain harmful chemicals.