



The enlightened concrete floor coating

## Cured Floor Coatings Comparison

### Epoxy vs. Polyurethane vs. PERK™ Polyaspartic

Property	ASTM Method	Epoxy	Polyurethane	PERK™ Polyaspartic	PERK® Advantage
Abrasion Resistance	D-4060 (a) mg loss	83-105	60-65	22-28	Triple the Abrasion Resistance
Falling Sand Abrasion	D-968 (b) liters sand/mil	8-10 (c)	25-30 (c)	30-38	Triple the Wear Resistance
Adhesion Pull-Off	D-4541, psi concrete failure, psi over steel	400 400-600	400 NR (d)	400 1,000	Twice the Adhesion to Steel
Tensile Strength	D-638, D-2370 psi	3,339-4,000	4,400-5,500	4,500-5,000	Equal
Impact Direct/Reverse	D-2794 inch pounds	40/20	80/40	160/160	40%-50% Chip Reduction
Flexibility 1/8" Mandrel	D-522 Cracking	Fails	Passes	Passes	50% greater flexibility and Chip Reduction
<b>Color-Gloss Retention-SSPC Paint Specification No.36</b>					
48 Months South Florida	D-1014 meets	Level 1 Fails	Level 2	Level 3	Twice the Color and Gloss Retention
2,000 Hrs. Accelerated	D-4587 meets	Level 1 Fails	Level 2	Level 3	Twice the Color and Gloss Retention
<b>Re-Coat Time or Walk-On Foot Traffic – Above 70°F, Below 80% Relative Humidity</b>					
Minimum/Maximum Re-Coat Hrs.		3.5/48	5/36	1/48	2-Days
Minimum Foot Traffic Hrs.		12-16	24	2	2-Days

(a) CS-17 Taber Abrasion Wheel, 1,000 gram load; 1,000 revolutions

(b) Liters of sand to erode 1 dry mil coating

(c) Average of generic coatings surveyed

(d) NR – Not Recommended

