



Concrete Coatings Comparison

TDS 1022

Epoxy vs. Polyurethane vs. SPARTACOTE® Polyaspartic

Property	ASTM Method	2-Pack Epoxy	Aliphatic PUR	SPARTACOTE®	SPARTACOTE 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	4,440-5,500	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 inch Mandrel	D-522 Cracking	Fails	Passes	Passes	50% greater flexibility and chip reduction

Color-Gloss Retention SSPC Paint Specification No. 36

Property	ASTM Method	2-Pack Epoxy	Aliphatic PUR	SPARTACOTE	SPARTACOTE ADVANTAGE
48 mos. South Florida	D-1014 meets	Level 1 Fails	Level 2	Level 3	Twice the color and gloss retention
2,000 hours accelerated	D-4587 meets	Level 1 Fails	Level 2	Level 3	Twice the color and gloss retention

Re-Coat Time or Walk-On Foot Traffic above 70 degrees F below 80% relative humidity

Property	ASTM Method	2-Pack Epoxy	Aliphatic PUR	SPARTACOTE	SPARTACOTE ADVANTAGE
Minimum-maximum recoat hours		3-4 48	5 36	1.48	2 Days
Minimum foot traffic hours		12-16	24	2	2 Days

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Technical Data Sheets are subject to change without notice. For latest revision, check our website at www.laticrete.com.au

(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

Globally Proven Construction Solutions

