



# SYSTEMS SPECIFICATIONS

**NOTE:** Coverage rates provided are optimal and are not guaranteed - coverage rates will vary depending on temperature, surface roughness and porosity, aggregate selection and embedment, and application technique READ ALL SYSTEM SPECIFICATIONS FOR DETAILED INSTRUCTIONS.

	System Features	Primer	Basecoat	Intermediate Coat	Aggregate	Topcoat
<b>ICC EVALUATED DECK SYSTEMS</b>						
<b>Flexideck® P-A Section 2.1.1</b>	ICC-ES Class A Concrete ICC-ES Class A 3/4" (1.91cm) Plywood 72 ± 5 dry mils (1829 ± 125 dry microns) exclusive of aggregate	Enviro-Grip® EP#1 or Enviro-Grip® EP#2 1 gallon/300 sqft (0.14 liters/m <sup>2</sup> ) 300 sqft/gallon 3-5 dry mils (76-127 microns)	<b>1st Coat:</b> P-Tuff® Classic 3 gallons/100 sqft (1.2 liters/m <sup>2</sup> ) 33 sqft/gallon 36 ± 2 dry mils (913 ± 50 microns) <b>2nd Coat:</b> P-Tuff® Classic 1 gallon/100 sqft (0.41 liters/m <sup>2</sup> ) 100 sqft/gallon 12 ± 2 dry mils (307 ± 50 microns) broadcast silica sand aggregate		Silica sand 12-20 , (0.84-1.68 mm), 16-30 mesh (0.595-1.19 mm), or 20-40 (0.84-1.62 mm) at a rate of 100lbs/100 sqft	<b>1st Coat:</b> Topshield® EST-FR 1 1/4 gallons/100 sqft (0.51 liters/m <sup>2</sup> ) 80 sqft/gallon 13± 2 dry mils (330 ± 50 microns) <b>2nd Coat:</b> Topshield® EST 3/4 gallon/100 sqft (0.31 liters/m <sup>2</sup> ) 133 sqft/gallon 8± 2 dry mils (203 ± 50 microns)
<b>Flexideck® P-B Section 2.1.2</b>	ICC-ES Class A Concrete ICC-ES Class B 5/8" (1.58cm) Plywood 72 ± 5 dry mils (1829 ± 125 dry microns) exclusive of aggregate	Enviro-Grip® EP#1 or Enviro-Grip® EP#2 or 1 gallon/300 sqft (0.14 liters/m <sup>2</sup> ) 300 sqft/gallon 3-5 dry mils (76-127 microns)	P-Tuff® Classic 4 gallons/100 sqft (1.63 liters/m <sup>2</sup> ) 25 sqft/gallon 48 ± 2 dry mils (1219 ± 50 microns) broadcast rubber aggregate		Rubber granules 14-30 mesh (0.595-1.14mm) at a rate of 20 lbs/100 sqft (0.98 kg /m <sup>2</sup> )	<b>1st Coat:</b> Topshield® EST-FR 1 1/4 gallons/100 sqft (0.51 liters/m <sup>2</sup> ) 80 sqft/gallon 13± 2 dry mils (330 ± 50 microns) <b>2nd Coat:</b> Topshield® EST 3/4 gallon/100 sqft (0.31 liters/m <sup>2</sup> ) 133 sqft/gallon 8± 2 dry mils (203 ± 50 microns)
<b>Flexideck® P-TW Section 2.1.3</b>	ICC-ES Tile-Underlayment 45 ± 2 dry mils (1143 ± 50 dry microns)	Enviro-Grip® EP#1 1 gallon/300 sqft (0.14 liters/m <sup>2</sup> ) 300 sqft/gallon 3-5 dry mils (76-127 microns)	<b>1st Coat:</b> P-Tuff® Classic 2 1/2 gallons/100 sqft (1.02 liters/m <sup>2</sup> ) 35 ± 2 dry mils (1421 ± 50 microns) 40 sqft/gallon <b>2nd Coat:</b> P-Tuff® Classic 1 gallon/100 sqft (0.41 liters/m <sup>2</sup> ) 100 sqft/gallon 14 ± 2 dry mils (355 ± 50 microns) broadcast silica sand		Silica sand 16-20 mesh or larger (0.84-1.19 mm) at a rate of 20 lbs/100 sqft (0.98 kg /m <sup>2</sup> )	
<b>Flexideck® C-WD Section 2.2.3</b>	Water catalyzed, urethane basecoat and single aliphatic topcoat deck system with <b>Miami Dade Approval</b> 46± 5 dry mils (1168 ± 125 dry microns) exclusive of aggregate OR 60 ± 5 dry mils (1523 ± 100 dry microns) with optional second topcoat exclusive of aggregate	Enviro-Grip® EP#1 or Enviro-Grip® EP#2 or Enviro-Grip® PUR#555 1 gallon/300 sqft (0.14 liters/m <sup>2</sup> ) 300 sqft/gallon 3-5 dry mils (76-127 microns)	P-Tuff® Classic 2.5 gallons/100 sqft (1.02 liters/m <sup>2</sup> ) 40 sqft/gallon 32 ± 2 dry mils (812 ± 50 microns) broadcast silica sand aggregate		Silica sand 16-30 mesh (0.595-1.19 mm) at a rate of 20 lbs/100 sqft (0.98 kg /m <sup>2</sup> )	<b>1st Coat:</b> Topshield® 5600 EF 1 gallon/100 sqft (0.41 liters/m <sup>2</sup> ) 100 sqft/gallon 14± 2 dry mils (355 ± 50 microns) <b>2nd Coat optional:</b> Topshield® 5600 EF 1 gallon/100 sqft (0.41 liters/m <sup>2</sup> ) 100 sqft/gallon 14± 2 dry mils (355 ± 50 microns)

	System Features	Primer	Basecoat	Intermediate Coat	Aggregate	Topcoat
<b>PEDESTRIAN DECK SYSTEMS</b>						
<b>Flexideck® E-WD Section 2.2.1</b>	Water catalyzed, urethane basecoat TDI free, E-Tuff® 58 ± 5 dry mils (1396 ± 125 dry microns) with single topcoat exclusive of aggregate OR 66 ± 5 dry mils (1588 ± 100 dry microns) with optional second topcoat exclusive of aggregate	Enviro-Grip® EP#1 or Enviro-Grip® EP#2 or Enviro-Grip® PUR#555 1 gallon/300 sqft (0.14 liters/m <sup>2</sup> ) 300 sqft/gallon 3-5 dry mils (76-127 microns)	E-Tuff® 100 3 gallons/100 sqft (1.2 liters/m <sup>2</sup> ) 33.3 sqft/gallon 36 ± 2 dry mils (914 ± 50 microns) broadcast aggregate		Rubber granules 14-30 mesh (0.595-1.14mm) at a rate of 20 lbs/100 sqft (0.98 kg /m <sup>2</sup> ) or Silica sand 12-20 (0.84-1.68 mm) or 16-30 mesh (0.595-1.19 mm) or 20-40 (0.84-1.62 mm) at a rate of 20-30 lbs/100 sqft (0.98-1.46 kg/m <sup>2</sup> )	<b>1st Coat:</b> Topshield® EST 1 gallon/100 sqft (0.41 liters/m <sup>2</sup> ) 100 sqft/gallon 11± 2 dry mils (279 ± 50 microns) <b>2nd Coat:</b> Topshield® EST 3/4 gallon/100 sqft (0.31 liters/m <sup>2</sup> ) 133 sqft/gallon (optional if using sand) 8± 2 dry mils (203 ± 50 microns) <b>Optional Topcoats:</b> Topshield® ALP-150 or Staintuff® 4072
<b>Flexideck® P-WD Section 2.2.2</b>	Water catalyzed, urethane basecoat TDI free, P-Tuff® 50 ± 5 dry mils (1270 ± 125 dry microns) with single topcoat exclusive of aggregate OR 58 ± 5 dry mils (1473 ± 125 dry microns) with optional second topcoat exclusive of aggregate	Enviro-Grip® EP#1 or Enviro-Grip® EP#2 or Enviro-Grip® PUR#555 1 gallon/300 sqft (0.14 liters/m <sup>2</sup> ) 300 sqft/gallon 3-5 dry mils (76-127 microns)	P-Tuff® Classic 3 gallons/100 sqft (1.2 liters/m <sup>2</sup> ) 33.3 sqft/gallon 36 ± 2 dry mils (914 ± 50 microns) broadcast rubber aggregate		Rubber granules 14-30 mesh (0.595-1.14mm) at a rate of 20 lbs/100 sqft (0.98 kg /m <sup>2</sup> )	<b>1st Coat:</b> Topshield® EST 1 gallon/100 sqft (0.41 liters/m <sup>2</sup> ) 11± 2 dry mils (254 ± 50 microns) 100 sqft/gallon <b>2nd Coat optional:</b> Topshield® EST 3/4 gallon/100 sqft (0.31 liters/m <sup>2</sup> ) 133 sqft/gallon 8± 2 dry mils (203 ± 50 microns) <b>Optional Topcoats:</b> Topshield® ALP-150 or Staintuff® 4072
<b>Flexideck® B-302 Section 2.2.3</b>	Water catalyzed, urethane basecoat, B-Tuff® 302 40 ± 5 dry mils (1016 ± 125 dry microns) with single topcoat exclusive of aggregate OR 48 ± 5 dry mils (1219 ± 125 dry microns) with optional second topcoat exclusive of aggregate	Enviro-Grip® EP#2 or Enviro-Grip® #EBF-LV 1 gallon/300 sqft (0.14 liters/m <sup>2</sup> ) 300 sqft/gallon 3-5 dry mils (76-127 microns)	<b>1st Coat:</b> B-Tuff® 302 /302 SC/302 NG 2 gallons/100 sqft (0.82 liters/m <sup>2</sup> ) 50 sqft/gallon 22± 2 dry mils (559 ± 50 microns) <b>2nd Coat:</b> B-Tuff® 302 /302 SC/302 NG 3/4 gallons/100 sqft (0.31 liters/m <sup>2</sup> ) 122 sqft/gallon 8± 2 dry mils 203 ± 50 microns) broadcast silica sand aggregate		Silica sand 20 mesh (0.595-1.19 mm) at a rate of 20 lbs/100 sqft	<b>1st Coat:</b> Topshield® EST or ALP-150 1 gallon/100 sqft (0.41 liters/m <sup>2</sup> ) 10± 2 dry mils (254 ± 50 microns) 100 sqft/gallon <b>2nd Coat optional:</b> Topshield® EST or ALP-150 3/4 gallon/100 sqft (0.31 liters/m <sup>2</sup> ) 133 sqft/gallon 8± 2 dry mils (203 ± 50 microns)
<b>Flexideck® B-306 Section 2.2.4</b>	Water Induced Urethane (WIU™) basecoat TDI free, B-Tuff® 306 36 ± 5 dry mils (914 ± 125 dry microns) with topcoat for light pedestrian traffic exclusive of aggregate OR 48 ± 5 dry mils (1219 ± 125 dry microns) with heavy pedestrian traffic exclusive of aggregate	Enviro-Grip® EP#1 or Enviro-Grip® EBF-LV 1 gallon/300 sqft (0.14 liters/m <sup>2</sup> ) 300 sqft/gallon 3-5 dry mils (76-127 microns)	B-Tuff® 306 1 1/2 gallons/100 sqft (0.61 liters/m <sup>2</sup> ) 75 sqft/gallon 22± 2 dry mils (559 ± 50 microns) broadcast and backroll silica sand aggregate		Silica sand 16-20 mesh (0.84-1.19 mm) at a rate of 5-10 lbs/100 sqft	<b>Light Traffic:</b> Topshield® 5600 3/4 gallon/100 sqft (0.341 liters/m <sup>2</sup> ) 12± 2 dry mils (308 ± 50 microns) 133 sqft/gallon backroll silica sand <b>Heavy Traffic:</b> Topshield® 5600 1 1/2 gallon/100 sqft (0.61 liters/m <sup>2</sup> ) 67 sqft/gallon 24 ± 2 dry mils (609 ± 50 microns)

	System Features	Primer	Basecoat	Intermediate Coat	Aggregate	Topcoat
<b>Flexideck® B-308</b> <b>Section 2.2.5</b>	Water Induced Urethane (WIU™) basecoat TDI free, B-Tuff®308 37 ± 5 dry mils (914 ± 125 dry microns) with topcoat for light pedestrian traffic exclusive of aggregate OR 49 ± 5 dry mils (1244 ± 125 dry microns) with heavy pedestrian traffic exclusive of aggregate	Enviro-Grip® EP#1 or Enviro-Grip® #EBF-LV 1 gallon/300 sqft (0.14 liters/m²) 300 sqft/gallon 3-5 dry mils (76-127 microns)	B-Tuff® 308 1 1/2 gallons/100 sqft (0.61 liters/m²) 75 sqft/gallon 22± 2 dry mils (559 ± 50 microns) broadcast and backroll silica sand aggregate		Silica sand 16-20 mesh (0.84-1.19 mm) at a rate of 5-10 lbs/100 sqft	<b>Light Traffic:</b> Topshield® 5600 3/4 gallon/100 sqft (0.341 liters/m²) 12± 2 dry mils (308 ± 50 microns) 133 sqft/gallon backroll silica sand <b>Heavy Traffic:</b> Topshield® 5600 1 1/2 gallon/100 sqft (0.61 liters/m²) 67 sqft/gallon 24 ± 2 dry mils (609 ± 50 microns)
<b>Flexideck® TW-R</b> <b>Section 2.2.6</b>	Water Induced Urethane (WIU™) basecoat for under-tile 43 ± 5 dry mils (1092 ± 125 dry microns) minimum exclusive of aggregate	Enviro-Grip® EP#1 or Enviro-Grip® PUR#555 1 gallon/300 sqft (0.14 liters/m²) 300 sqft/gallon 3-5 dry mils (76-127 microns)	E-Tuff® 100 or 80 1 2/3 gallons/100 sqft (0.68 liters/m²) 60.2 sqft/gallon 20± 2 dry mils (500 ± 50 microns) Add Fabric Reinforcement	E-Tuff® 100 1 2/3 gallons/100 sqft (0.68 liters/m²) 60.2 sqft/gallon 20± 2 dry mils (500 ± 50 microns) broadcast silica sand aggregate	FABRIC REINFORCEMENT Tie-Tex T-325 or T-326 Silica sand 12-20 (0.84-1.68 mm) or 16-30 mesh (0.595-1.19 mm) or 20-40 (0.84-1.62 mm)	
<b>VEHICULAR TRAFFIC DECK SYSTEMS</b>						
<b>Flexideck® Standard Section 2.3.1</b>	Low VOC, chemically catalyzed Pedestrian and Parking Deck System over Concrete 60-80 ± 5 dry mils (1525-2032 ± 125 dry microns) exclusive of aggregate	Enviro-Grip® EP#1 or Enviro-Grip® EP#2 or Enviro-Grip® PUR#555 1 gallon/300 sqft (0.14 liters/m²) 300 sqft/gallon 3-5 dry mils (76-127 microns)	B-Tuff® 302/302 SC/302NG 2 gallons/100 sqft (0.82 liters/m²) 50 sqft/gallon 23 ± 2 dry mils (584 ± 50 microns)	<b>1st coat:</b> Topshield® 500 1 1/4 gallon/100 sqft (0.51 liters/m²) 80 sqft/gallon 18 ± 2 dry mils (457 ± 50 microns) <b>Driving lane/turning radi/ramps:</b> Topshield® 500 1 gallon/100 sqft (0.41 liters/m²) 100 sqft/gallon 12 ± 2 dry mils (305 ± 50 microns)	Silica sand 12-20 mesh (0.84-1.68 mm) at a rate of 20-30 lbs/100 sqft (0.98-1.46 kg/m²)	Topshield® 150 ALP 1 gallon/100 sqft (0.41 liters/m²) 100 sqft/gallon 12± 2 dry mils (305 ± 50 microns) <b>Optional Topcoats:</b> Topshield® EST Topshield® 5600EF, or Staintuff® 4072
<b>Flexideck® P-PD Standard Section 2.3.2</b>	Water Induced Urethane (WIU™) basecoat, low VOC, textured Parking Deck System over Concrete 56 dry mils ± 5 dry mils (1422 ± 125 dry microns) exclusive of aggregate OR 67 dry mils ± 5 dry mils (1701 ± 125 dry microns) on ramps, radi, or heavy traffic areas exclusive of aggregate	Enviro-Grip® EP#1 or Enviro-Grip® EP#2 or Enviro-Grip® PUR#555 1 gallon/300 sqft (0.14 liters/m²) 300 sqft/gallon 3-5 dry mils (76-127 microns)	P-Tuff® Classic 2 gallons/100 sqft (0.80 liters/m²) 50 sqft/gallon 24 ± 2 dry mils (609 ± 50 microns) broadcast silica sand aggregate or rubber aggregate	Topshield® 500 or 5600EF 1 1/4 gallon/100 sqft (0.51 liters/m²) 80 sqft/gallon 18 ± 2 dry mils (457 ± 50 microns)	Silica sand 12-20 (0.84-1.68 mm) or 16-30 mesh (0.595-1.19 mm) or 20-40 (0.84-1.62 mm) at a rate of 20-30 lbs/100 sqft (0.98-1.46 kg/m²) or Rubber granules 14-30 mesh (0.595-1.14mm) at a rate of 20 lbs/100 sqft (0.98 kg/m²)	Topshield® 500 or Topshield® 5600EF 1 gallons/100 sqft (0.42 liters/m²) 100 sqft/gallon 11± 2 dry mils (279± 50 microns) <b>2nd Coat, Ramps, Turn Radii:</b> Topshield® 500 or Topshield® 5600EF 1 gallon/100 sqft (0.41 liters/m²) 100 sqft/gallon 11± 2 dry mils (279 ± 50 microns)

	System Features	Primer	Basecoat	Intermediate Coat	Aggregate	Topcoat
<b>Flexideck® P-PDEF Section 2.3.3</b>	Water Induced Urethane (WIU™) basecoat for Parking Deck System over Concrete 50 dry mils ± 5 dry mils (1270 ± 125 dry microns) exclusive of aggregate OR 64 dry mils ± 5 dry mils (1625 ± 125 dry microns) on ramps, radi, or heavy traffic areas exclusive of aggregate	Enviro-Grip® EP#1 or Enviro-Grip® EP#2 or Enviro-Grip® EBF-LV 1 gallon/200-400 sqft (0.14 liters/m <sup>2</sup> ) 200-400 sqft/gallon 3-5 dry mils (76-127 microns)	P-Tuff® Classic 2 gallons/100 sqft (0.80 liters/m <sup>2</sup> ) 50 sqft/gallon 24 ± 2 dry mils (609 ± 50 microns) broadcast silica sand aggregate or rubber aggregate		Silica sand 12-20 (0.84-1.68 mm) or 16-30 mesh (0.595-1.19 mm) or 20-40 (0.84-1.62 mm) at a rate of 20-30 lbs/100 sqft (0.98-1.46 kg/m <sup>2</sup> ) or Rubber granules 14-30 mesh (0.595-1.14mm) at a rate of 20 lbs/100 sqft (0.98 kg /m <sup>2</sup> )	<b>Medium-Duty Traffic:</b> Topshield® 5600 EF 1 2/3 gallons/100 sqft (0.68 liters/m <sup>2</sup> ) 60 sqft/gallon 24± 2 dry mils (356 ± 50 microns) <b>Ramps, turn radi, heavy traffic:</b> Topshield® 5600 EF 1 gallon/100 sqft (0.41 liters/m <sup>2</sup> ) 100 sqft/gallon 14± 2 dry mils (356 ± 50 microns)
<b>Flexideck® P-PD Section 2.3.4</b>	Water Induced Urethane (WIU™) basecoat for Parking Deck System over Concrete 83 dry mils ± 5 dry mils (2102 ± 125 dry microns) exclusive of aggregate or fabric	Enviro-Grip® EP#1 or Enviro-Grip® EP#2 or Enviro-Grip® PUR#555 1 gallon/300 sqft (0.14 liters/m <sup>2</sup> ) 300 sqft/gallon 3-5 dry mils (76-127 microns)	E-Tuff® 100 or 80 2 gallons/100 sqft (0.82 liters/m <sup>2</sup> ) 50 sqft/gallon 24± 2 dry mils (610 ± 50 microns) Add Fabric Reinforcement	E-Tuff® 100 or 80 2 gallons/100 sqft (0.82 liters/m <sup>2</sup> ) 50 sqft/gallon 24± 2 dry mils (610 ± 50 microns)	FABRIC REINFORCEMENT Tie-TEX T-325 or T-326 Silica sand 12-20 (0.84-1.68 mm) or 16-30 mesh (0.595-1.19 mm) at a rate of 20-30 lbs/100 sqft (0.98-1.46 kg.m <sup>2</sup> )	<b>1st Coat:</b> Topshield® 5600EF 1 1/4 gallon/100 sqft (0.41 liters/m <sup>2</sup> ) 80 sqft/gallon 18± 2 dry mils (457 ± 50 microns) <b>2nd Coat:</b> Topshield® 5600EF 1 gallon/100 sqft (0.41 liters/m <sup>2</sup> ) 100 sqft/gallon 14± 2 dry mils (356 ± 50 microns)
<b>Metal Lath/ Metal Deck Systems</b>						
<b>Flexideck® P-ML Section 2.4.1</b>	Water Induced Urethane (WIU™) P-Tuff® Classic Slurry over mechanically-fastened-metal lath Deck System 120 ± 5 dry mils (3044 ± 125 dry micron) exclusive of aggregate	Enviro-Grip® EP#2 1 gallon/300 sqft (0.14 liters/m <sup>2</sup> ) 3-5 dry mils (76-127 microns)	P-Tuff® Classic with sand "Flexideck® Base Membrane Mixture" 6 gallons/100 sqft (2.45 liters/m <sup>2</sup> ) 16 sqft/gallon 90 ± 2 dry mils (2250 ± 50 microns) broadcast aggregate		Rubber granules 14-30 mesh (0.595-1.14mm) at a rate of 20 lbs/100 sqft (0.98 kg /m <sup>2</sup> ) OR Silica sand 16-30 mesh (0.595-1.19 mm) at a rate of 20-30 lbs/100 sqft (0.98-1.46 kg.m <sup>2</sup> )	<b>1st Coat:</b> Topshield® EST 1 1/4 gallons/100 sqft (0.51 liters/m <sup>2</sup> ) 80 sqft/gallon 13± 2 dry mils (330 ± 50 microns) <b>2nd Coat if using Rubber Aggregate:</b> Topshield® EST 3/4 gallon/100 sqft (0.31 liters/m <sup>2</sup> ) 133 sqft/gallon 8± 2 dry mils (254 ± 50 microns) <b>Optional Topcoats:</b> Topshield® ALP-150 or Staintuff® 4072

	<b>System Features</b>	<b>Primer</b>	<b>Basecoat</b>	<b>Intermediate Coat</b>	<b>Aggregate</b>	<b>Topcoat</b>
<b>Flexideck® E-ML Section 2.4.2</b>	TDI free Deck System with E®-Tuff Slurry over metal lath 120 ± 5 dry mils (3048 ± 125 dry microns) exclusive of aggregate	Enviro-Grip® EP#1 Enviro-Grip® EP#2 1 gallon/300 sqft (0.14 liters/m <sup>2</sup> ) 300 sqft/gallon 3-5 dry mils (76-127 microns)	E-Tuff® 100 with sand "Flexideck® Base Membrane Mixture" 6 gallons/100 sqft (2.45 liters/m <sup>2</sup> ) 16 sqft/gallon 90± 2 dry mils (2413 ± 50 microns) broadcast aggregate		Rubber granules 14-30 mesh (0.595-1.14mm) at a rate of 20 lbs/100 sqft (0.98 kg /m <sup>2</sup> ) OR Silica sand 16-30 mesh (0.595-1.19 mm) at a rate of 20-30 lbs/100 sqft (0.98-1.46 kg.m <sup>2</sup> )	<b>1st Coat:</b> Topshield® EST 1 1/4 gallons/100 sqft (0.51 liters/m <sup>2</sup> ) 80 sqft/gallon 12± 2 dry mils (330 ± 50 microns) <b>2nd Coat if using Rubber Aggregate:</b> Topshield® EST 3/4 gallons/100 sqft (0.31 liters/m <sup>2</sup> ) 133 sqft/gallon 8± 2 dry mils (254 ± 50 microns) <b>Optional Topcoats:</b> Topshield® 5600EF, Topshield® ALP-150, or Staintuff® 4072
<b>Below Grade Reinforced System</b>						
<b>Terra-Shield® WC-100R Section 2.4.1</b>	Water curable, liquid applied Reinforced Roofing and Waterproofing Membrane System 30 to 2500 dry mils (0.075-6.35cm) exclusive of fabric		Terra-Shield® WC-100		FABRIC REINFORCEMENT T-326	