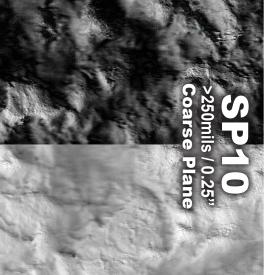
TYC 27 mils / 0.027" Wire Brush Acid Etch

Sq2 "Se \ 0.032" Se brind brind 5 4 2 38 mils / 0.038" Fine Erase Diamond Shave Peen Strip Peen Strip Light Blast

57 P 4 50 mils / 0.05" Medium Erase Very Fine Strip/Scrape Light/Medium Blast



SURFACE PROFILE INSPECTION TOOL

Place this convenient inspection tool directly on the concrete or asphalt surface to visually confirm the surface profile (SP1-10) conditions before and after the surface preparation process.

These photos are actual-size photos of respresentative surface profiles, textures, and roughness of properly prepared concrete or asphalt surfaces, using drum-style and rotary-style preparators. The creation of a surface profile can be accomplished with a variety of tools, equipment, and materials. The specifications detail the desired SP range, dependent upon the coating, binder or overlay system to be installed.

Each profile has a corresponding number, ranging from SP1 (nearly flat) to SP10 (extremely rough). The surface profile is defined as the measurement of the average distance from the peaks of the surface to the valleys, as seen through a cross-section of the prepared substrate. The texture and appearance of each profile obtained through the surface-preparation process will vary, depending upon the concrete/asphalt strength, composition, aggregate, and finish. On sound surfaces, the range of variation can be controlled to represent these standards, however, as removal depth increases, the profile of the prepared substrate will be increasingly dominant by the type and size of the coarse aggregate.

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SP9
214 mils / 0.214"
Very Coarse Scarify
Medium Plane

SP8
210 mils / 0.21"
Coarse Scarify
Coarse Scabble
Fine Plane

175 mils / 0.175"

Medium-Coarse Scarify

Heavy Blast

Coarse Strip/Scrape

SP6
125 mils / 0.125"
Medium Scarify
Medium-Heavy Blast
Medium Strip/Scrape



Surface Profiles

SP1 Wire Brush, Acid Etch

SP2 Diamond Grind

SP3 Fine Erase, Diamond Shave, Peen Strip, Light Blast

SP4 Medium Erase, Very Fine Strip/Scrape, Light/Med Blast

SP5 Coarse Erase, Fine Scarify, Medium Blast, Fine Strip/Scrape

SP6 Medium Scarify, Medium-Heavy Blast, Medium Strip/Scrape

SP7 Medium-Coarse Scarify, Heavy Blast, Coarse Strip/Scrape

SP8 Coarse Scarify, Coarse Scabble, Fine Plane

SP9 Very Coarse Scarify, Medium Plane

SP10 Coarse Plane

Binder	Guide
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Marking Type	Applied	Groove	SP	Removal	Re-apply	Best for	
(legend)	(mils)	(Mils)	#	%	to itself	A/C/S	
Sealer (S)	1-5	N/A	1-2	80-100	Yes	С	
Thin Paint (P)	4-15	50	1-3	80-100	Yes	A, S	
High Builds (H)	15-30	50	3-5	80-100	Yes	A, S	
Epoxy (2)	15-30	50	4-6	80-100	Yes	C, A	
Polyester (2)	15-30	50	4-6	80-100	Yes	C, A	
Urethane (2)	15-25	50	4-6	80-100	Yes	C, A	
MMA (2)	60-120	150	4-6	80-100	Yes	A, S	
Thermoplastic (T)	60-120	150	4-6	80-100	Yes	A, S	
Preform Tape (A)	30-120	150	4-6	80-100	Yes	A, S	
Overlays (O)	125-250	N/A	5-9	80-100	Yes	A, C. S	
Repair Material (R)	250 +	N/A	6-10	80-100	Yes	A, C. S	

*(A) Asphalt (C) Concrete (S) Surface Treatments

Note: The payement marking material manufacturer will recommend their desired SP (1-10) range prior to the application of their materials on top or recessed below the surface.

Desired Surface Finish Profiles (SP1-10) by selecting the right cutter drum, offset spacing pattern (F, M, C, X) and removal process. Cutters can be set inline to groove and at narrower widths. Adding spacers increases cutting penetrations. (F) - 0 spacer; (M) - 1 spacer; (C) - 2 spacers; (X) - 3 spacers.

Drum-Style Surface Preparators – Fine (F), Medium (M), Coarse (C), Extra Course (X) setup patterns



Cure-It"



SP1







Shave-It™

Diamond Shavers (F, M) SP3-4



Finish-It

Steel Flails (F, M, C, X) SP3-5



Flail-It"

Carbide Flails (F, M, C, X) SP4-9



Strip-It™

Carbide Flats (F, M, C, X) SP3-6



Mill-It

Carbide Millers (F, M, C, X) SP3-6



Scrape-It

Carbide Scrapers (F, M, C, X) SP3-6



Carbide Planer (F, M, C, X)

SP1-5 **Rotary-Style Surface Preparators**



Cure-It

Wire **Brush** SP0-1



Plane-It

Carbide **Planer** SP3



Erase-It

Fine Erase 216-pin SP3-6



Medium Erase 144-pin SP4-7



Erase-It

Coarse Erase 72-pin SP5-8



Waterblaster

High-Pressure Water SP3-7



SP8-10



Shot **Blast** SP3-7