

# The SurfPrep Sanding System



Congratulations and welcome to the family. You are about to experience SurfPrep's 3" X 4" Sanding System Kit. No more dreading the sanding prep time. Now its easy, fun, and productive time spent on sanding. In this kit you've been provided the necessary tools to efficiently cover all your sanding needs: A handy chart with quick reference to sponge grit matched to actual sanding scratch, performance expectations, accessories tricks, quick guide on common set ups, and how-to recalibrate your sander. Building the right combinations will shorten your time and increase your performance. You will find sanding abrasives and accessories that all perform different functions that will reduce hand sanding and increase efficiency.

## So what's in the kit?

Before you get started using your SurfPrep sanding system, let's cover some simple tips that will make your sanding experience a success.



### 3" X 4" Electric Ray Sander

The technology behind this amazing tool will not only save you time but also money in both energy savings and maintenance. It comes with 3 speeds, greater torque, brushless and a computer board that will override when it senses too much pressure or heat! Should the tool safeguard itself and save you from unwanted performance and expense, simply recalibrate it in 30 seconds and your back on track.

#### Sander Recalibration Instructions (Make sure tool is unplugged and that all lights are off)

1. Hold down the - minus button on the sander
2. Plug cord into power outlet source while still holding onto the - minus button (do not release)
3. Tool makes 3 beeps, when this occurs, release the - minus button & immediately press & hold down the tool's lever
4. A long beep sound will occur, release lever when this long beep sound is produced. Tool is recalibrated.



### 5mm Sanding Sponges

Excellent for flat scuff sanding. Although the abrasive may feel aggressive on the surface of the pad, the foam allows for gentle sanding without leaving deep scratches on the surface. This sponge is great for sanding raw wood surfaces as well as finished surfaces. This is not for contoured surfaces that you don't wish to flatten or break edges.



### 10mm Sanding Sponges

These dense foam pads will scuff sand both flat and soft profiles. They will scuff sand without leaving deep scratches when sanding into deeper angles and profiles. Examples of use would be inside shaker door panels, beveled profiles on doors, sloped surfaces and curves.



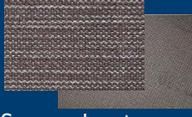
### 1/2" Sanding Sponges

Amazing ability to shape itself to curved & round profiles while scuff sanding. A must for all profiles that are hard to sand without flattening an edge. Because of its soft backing, the abrasive won't aggressively sand away deep scratches, rough profiles, etc. It is designed to ride the contour and scuff sand.



### Film Sanding Sheets

These sheets are amazing for quick stock removal. This abrasive is made to attack those pesky gouges, saw marks, old finish, deep scratches or anything that requires removal quickly and easy. Because of the film backing it resists tearing and leaves a uniform scratch pattern. The white 'sacrificial stearate' prevents loading of material while sanding. Always use the **Pad Saver** when sanding with these sheets on your sander.



### Screen Sanding Sheets

Screen abrasives are made with a strong polyester material that is durable and long lasting. The screen is full of tiny holes that is very effective for dust free sanding. It also keeps materials from loading up onto the abrasive sheet. This results in a very smooth sanding pattern on whatever surface you are sanding. This can be used for stock removal & stripping away old products like lacquer or stain. Always use the **Pad Saver** when sanding with these sheets on your sander.



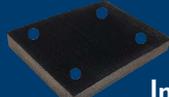
### Paper Sanding Sheets

Paper backing provides enhanced support of grain and edge-wear for stock removal sanding, but at a less expensive cost than film or screen sheets. The grain provides a true, consistent & uniform scratch. Our innovative 'load-free' coating provides for a fast rate of cut and longer life. Always use the **Pad Saver** when sanding with these sheets on your sander.



### Pad Saver

The pad saver is a thin shield. Like the name implies, it saves the red backup pad on your sander from premature wear, so the life of the velcro feet stays fresh and firm for excellent adhesion between the abrasive sheet & the tool. It also helps the tool glide softer on the surface when sanding. ALWAYS USE the pad saver when sanding with sandpaper (film, paper, & screen sheets).



### Interface Pad

Simply and easily transforms your sandpaper's (film, paper, & screen) ability to cut and shape itself to the profile at hand. These are excellent to still have flexibility when the foam sponge's cut rate isn't enough. The interface pad can also be used with the sanding sponges when more depth or curve is needed. Soft contact ensures no damage to appearance and edges while still giving excellent performance of the abrasive.

## FOAM CONVERSION CHART

Description	Grit	Scratch	Purpose
COARSE	36	60-80	REMOVES
COARSE +	46	80-100	REMOVES
MEDIUM	60	120-150	REMOVES
MEDIUM +	80	150-180	PREPARES
FINE	100	220-240	PREPARES
VERY FINE	150	280-380	FINISHES
SUPER FINE	180	450-600	FINISHES
SUPER FINE +	220	600-700	FINISHES

# SurfPrep Foam Sponge Abrasives

NOTE: This chart only includes grits that are included in sanding system kit



## 5mm Sanding Sponges

NOTE: 5mm sponges will not aggressively sand, they scuff surfaces leaving soft scratches.  
\*Interface Pad should be used when working 5mm sponges on slight curved surfaces.

5mm Sponge	Pad Saver	Interface Pad *If needed	Flat Surface	Slight Curve	Round Surface	Stripping	Bare Wood	Finished Coating
Medium	N/A	✓	✓	✓			✓	
Fine	N/A	✓	✓	✓			✓	✓
Very Fine	N/A	✓	✓	✓				✓
Super Fine	N/A	✓	✓	✓				✓

## 10mm Sanding Sponges

NOTE: 10mm sponges will not aggressively sand, but they do scuff surfaces harder than 5mm.  
\*Interface Pad should be used when working 10mm sponges on round surfaces.

10mm Sponge	Pad Saver	Interface Pad *If needed	Flat Surface	Slight Curve	Round Surface	Stripping	Bare Wood	Finished Coating
Course +	N/A	✓	✓	✓	✓	✓	✓	
Medium	N/A	✓	✓	✓	✓		✓	✓
Fine	N/A	✓	✓	✓	✓			✓
Very Fine	N/A	✓	✓	✓	✓			✓

## 1/2" Sanding Sponges

NOTE: 1/2" sponges will not aggressively sand, they scuff surfaces leaving soft scratches.  
\*Interface Pad can be used to create deeper contact in large curved areas.

1/2" Sponge	Pad Saver	Interface Pad *If needed	Flat Surface	Slight Curve	Round Surface	Stripping	Bare Wood	Finished Coating
Medium	N/A	✓	✓	✓	✓		✓	
Fine	N/A	✓	✓	✓	✓		✓	✓
Very Fine	N/A	✓	✓	✓	✓			✓
Super Fine	N/A	✓	✓	✓	✓			✓

## Film/Paper/Screen Sanding Sheets

These sheets are all used for aggressive sanding and leveling.  
NOTE: Always use Pad Saver with Film, Paper, & Screen abrasives.  
\*Interface Pad should be used when sanding slight curves and rounds.

	Pad Saver	Interface Pad	Flat Surface	Slight Curve	Round Surface	Stripping	Bare Wood	Finished Coating
80 Grit	✓	✓	✓	✓		✓	✓	
100 Grit	✓	✓	✓	✓		✓	✓	
120 Grit	✓	✓	✓	✓	✓	✓	✓	
150 Grit	✓	✓	✓	✓	✓		✓	
180 Grit	✓	✓	✓	✓	✓		✓	✓
220 Grit	✓	✓	✓	✓	✓		✓	✓
320 Grit	✓	✓	✓	✓	✓		✓	✓