



## HPB/HPC Polishing Material

*Creatively engineered to conquer your surface preparation and polishing challenges.*

**Surface Preparation Division**



### **Spartan Industrial Polishing Pads**

Our Spartan HPB and HPC polishing pads have been the main product line since the company began operations over three decades ago. Many applications require flexible pad compositions, hardness and durability to address a variety of high volume polishing needs including glass, plastic, metal and stone. By varying the polishing slurry particle size, concentration, and specific gravity, these HPB/HPC pads will generate excellent surfaces while achieving realistic stock removal rates.

### **Polishing Pad Detailed Information**

All pads are available with our own specially developed PSA, magnetic or loop backing to be used with various hook attachments. We currently have 2 types of PSA that cover 2 specific markets. Our standard is for the glass industry is one that resists temps up to 120F, peels easily from the plate and can actually be reapplied. Our second type of PSA is a 3M product that is temperature resistant up to 160F, resistant of pH changes from 5 to 10, but may leave some adhesive on the plate (depending on how it is run and removed). We also have multiple coating options and the ability to impregnate pads.

### **HPB/HPC Polishing Pad Characteristics**

Spartan Polishing Pad Division's suede polishing material is designed to generate final polished surfaces using submicron slurries. It's unique, resilient design allows the pore structure to recover from polishing compression and sets up a fluid transfer action with the slurry. Available in plain, embossed or textured front surfaces with standard pressure sensitive adhesive for use with a wide pH slurry range. These products can be engineered with applications-specific densities and cellular structures. Available in hydrophobic or hydrophilic bulk compositions.

### **For Use With**

glass , plastics, metals, ceramics and stone

### **Durometer**

Shore B/C 25-75

### **Compression**

1-7% (4 pound force displacement)

### **Density**

.33-.85 g/cm<sup>3</sup>

### **Thickness**

.050", .090", .125", .150", .180" and .250"  
(depends on specific HPB/HPC composition)

### **Diameter**

Up to 53" sheets and pads

### **Backings**

Easy to apply/remove PSA is standard. High temperature PSA, magnetic and hook & loop backings are available upon request

### **Impregnation**

Abrasive impregnation in limited styles

### **Coating**

Abrasive coating available upon request

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