

# Spartan Durotex™

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



**Surface Preparation Division**



## 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).

## Spartan Durotex™ Characteristics

Spartan DuroTex™ expanded polyurethane materials are designed and manufactured to polish a wide variety of materials in a singlestep type process. These materials include optics, electrooptics, semiconductor, aluminum discs, LCD/plasma display and ceramic compositions. Using conventional and applicationspecific slurries, it is possible to achieve excellent flatness and surface finishes with minimum edge rolloff without sleeking and scratching from free abrasives.

Spartan offers two grades of material densities and cerium oxide impregnation concentrations. DuroTex™ is available in two standard sheet sizes (typically 2.3 mm thickness), plain or with PSA backing. Grooving of the surface is possible upon request.

## For Use With

optics, electro-optics, semiconductor, aluminum discs, LCD/plasma display and ceramic compositions

### DUROTEX-1

**Hardness**  
93 Shore A

**Cerium Content**  
25-35%

**Density**  
0.67 g/cm<sup>3</sup>

**Thickness**  
0.5 - 2.5mm

**Polyurethane**  
65 - 75%

**Width**  
400 x 700mm  
or 1m x 1m

### DUROTEX-2

**Hardness**  
90 Shore A

**Cerium Content**  
15-25%

**Density**  
0.55 g/cm<sup>3</sup>

**Thickness**  
0.5 - 2.5mm

**Polyurethane**  
75 - 85%

**Width**  
400 x 700mm  
or 1m x 1m