



HASTILITE RS, HASTILITE RS-1

BA0092, BA0097

Hastilite RS and **RS-1** are highly concentrated, 50% solid, rare earth oxide based slurries. **Hastilite RS** and **RS-1** were designed for high removal rate, excellent surface finishes, and uniform particle size. **Hastilite RS** and **RS-1** were designed to provide low roughness, low scatter finishes making it great to meet or exceed most precision optical surface requirements.

APPLICATION

Dilute **Hastilite RS** and **RS-1** with water, preferably RO or DI water. For specific application recommendations, please consult with UPI's technical staff.

Hastilite RS-1 is ideal for pitch polishing where foaming action is desired. The foaming will help to fill the void where a specific foam is desired for a high degree of accuracy in polishing. **Hastilite RS-1** will foam in aggressive polishing operations (CNC polishing with a recirculated slurry). Foaming should be monitored during initial testing of the slurry and **Universal X-Defoamer** can be used to curb the foaming as necessary. Only a few drops of **Universal X-Defoamer** is necessary per gallon of mixed slurry.

BENEFITS

- Narrow particle size distribution
- Works well with Zeodur, quartz, optical glass, photomask or any precision polishing
- High removal rate
- Excellent surface finishes
- Used for polishing many materials

PHYSICAL CHARACTERISTICS

TEST	HASTILITE RS	HASTILITE RS-1
pH	8.25 - 8.75	8.25 - 8.75
Particle Count D ₅₀ (µm)	0.4 - 0.7	0.4 - 0.7
Particle Count D ₉₉ (µm)	< 5.0	< 5.0
Solid Content (%)	49 - 51	49 - 51
Density (g/mL)	1.65 - 1.69	1.65 - 1.69
Surfactant Added	No	Yes

AVAILABILITY

1 Gallon, 1 Pint