

Lapping Powders Based on Round Grain Corundum

slurry	pH-values	grain size	stock removal, surface roughness Ra	price (EUR/kg)
OXAPA RGC 40	6-8	40µm		23
OXAPA RGC 20	6-8	20µm	depends on glass and conditions	23
OXAPA RGC 5	6-8	5µm		26

The lapping powders based on round grain corundum were tested with all classical glass families from the Abbe-diagram. They work well and give similar results independetly on the glass family. Also the same results were obtained by lapping fused silica and glass ceramics. In general it is not necessary to incorporate additives to adapt the slurries to different glass families. With OXAPA RGC5 it is possible to achieve transparent surface (so called inspection polishing), what is useful for quick check of the material in bulk. The grain form is calibrated so that no hidden scratches and digs are observed.

