

BAIKALOX[®] POLISHING SLURRIES



Characteristics

Standard Polishing Slurries (Typical values)	GE1S	GE6S	GE15S	CR1S	CR6S	CR15S	CR30S
Suspension code	3.0	1.0	0.3	3.0CR	1.0CR	0.3CR	0.1CR
Finish	Standard			Scratch-free			
Polishing step	Rough	Rough	Inter.	Rough	Rough	Inter.	Final, 1 step
Nominal particle size (µm)	3.0	1.0	0.3	3.0	1.0	0.3	0.1
pH	7 - 8	7 - 8	7 - 8	7 - 8	7 - 8	7 - 8	7 - 8
Slurry density (g/cm ³)	1.2	1.2	1.2	1.2	1.2	1.2	1.2
PSD (µm)	d ₅₀	13	8.0	4.5	1.0	0.5	0.2

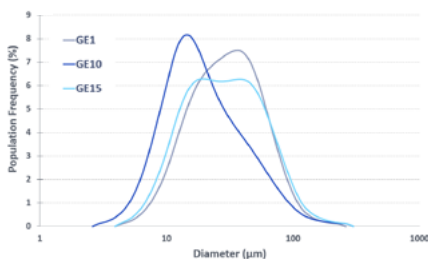
> Baikalox[®] polishing slurries are **water based suspensions**

> Their characteristics include:

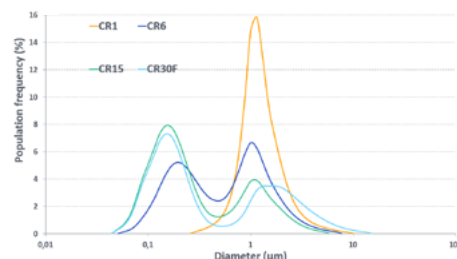
- Control in Particle Size & Particle Size Distribution (PSD)
- High Chemical Purity
- Miscible with water
- Non-irritating to the skin thanks to its neutral, nontoxic base
- Standard or scratch-free finish

We advise to use these products within six months after reception and store it in standard conditions of temperature and pressure, ideally under agitation.

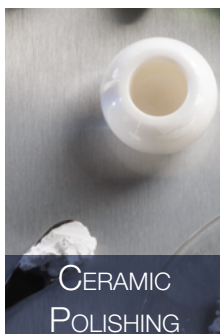
> Particle size distribution of the GE range



> Particle size distribution of the CR range



Applications

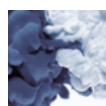


PRODUCT DESIGN

Looking for a polishing solution with advanced characteristics?

Baikowski[®] provide ready-to-use solutions, as well as tailored products upon request:

- Chemical composition and purity
- Physical characteristics
- Shape and formulation



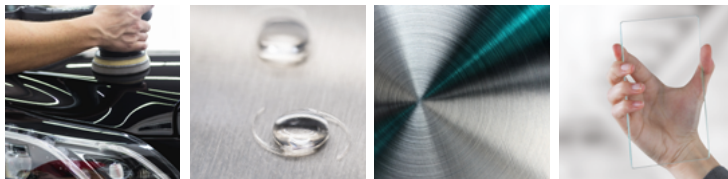
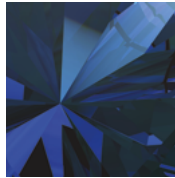


OTHER POLISHING SOLUTIONS

Characteristics

> Partial **substrates** list:

- **Ceramic** - YAG, AlN
- **Crystal** - Sapphire, SiC, GaN, Silicon, YAG, ZnSe, LiTaO₃, LiNbO₃
- **Glass**
- **Metal** - Aluminum, Stainless steel, Molybdenum, Copper, Silicon
- **Organic glass** - Polycarbonate
- **Varnish & lacquer** - Car paint



*Baikowski® provides you with the best products **adapted to your process**, as well as advice to make the most of your polishing steps. Our Japanese R&D team is completely dedicated to polishing, and has accumulated a **unique expertise**. We also offer accessories, like **pads and plates**, to help you achieve your goal.*

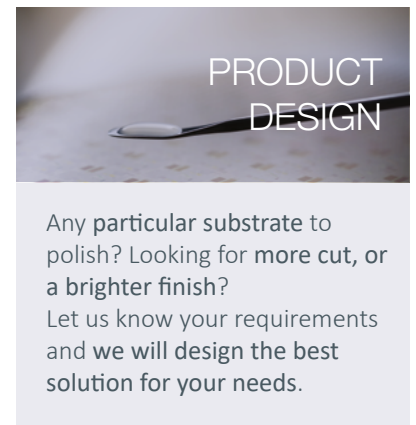
> BaikoPolish product range **customization**:

- Various particles (Ceria, Silica, Diamond)
- Implementation in **various media** (paste, slurry...)
- Optimized **design of the abrasives** in order to adapt to the application requirements (viscosity, pH control...)
- In case of formulations, **we can play on other important parameters** for polishing, complementary to the abrasive efficiency.

> Baikowski has **specialized in polishing for decades**. We upgrade our skills and equipment continuously to **find the optimal solution for each unique polishing case**:

- With cutting-edge specialized equipment for polish testing, we can measure and observe:
 - Removal rate (**Rr**)
 - Roughness average (**Ra**)
 - Peak-to-Valley (**PV**)
 - **Surface roughness imaging** to provide the optimal parameters for use in your polishing conditions.

Applications



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