

## Hydrophobic and oleophobic coating materials.

**SuperClean, KingClean and Regular top coat.**

Bühler Leybold Optics is pleased to announce the introduction of hydrophobic and oleophobic coating materials with enhanced performance capabilities, SuperClean, KingClean and Regular top coat.

With this high-end coating material, very positive results are achieved in terms of usability, process stability and durability of the coating itself. We received most positive feedback from end users concerning easy-to-clean, anti-fingerprint, as well as water- and oil-repellent properties. The top-coat materials can be used with all vacuum coating equipment up to a chamber size of 1350 mm independently of the type of evaporation source.

### Key benefits.

- Best hydrophobic and oleophobic properties
- Outstanding duration
- Ad-hoc delivery

### SuperClean, KingClean and Regular top coat application fields.

- Precision Optics
- Ophthalmic Optics

#### Hydrophobic properties

<b>SuperClean</b>	>112-120° (> 100° after abrasion test*)
<b>KingClean</b>	100-110° (> 80° after abrasion test*)
<b>Regular</b>	98-105° (> 70° after abrasion test*)

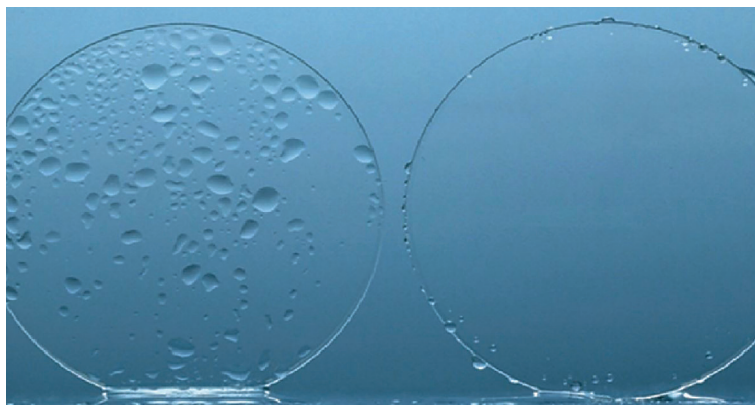
#### Oleophobic properties.

<b>SuperClean</b>	65-70°
<b>KingClean</b>	62°
<b>Regular</b>	25-60°

\* Abrasion resistance Cheesecloth 800 g; D = 40 mm; 240 cycles/min; 9600 cycles

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### Introduction for use.

Evaporation from EBG.

<b>Liner</b>	LOOA-11093-001
<b>Ramp/hold time</b>	1s / 1s
<b>Power</b>	4.0–7.0 mA em. current
<b>Rate</b>	0.4–0.8 nm/s

### Evaporation from boat.

Evaporation values differ by selected boat (guidelines on request)

### Thickness settings.

<b>SuperClean</b>	Density 1 g/cm <sup>3</sup> / tooling 100% / thickness 18–20 nm
<b>KingClean</b>	Density 1 g/cm <sup>3</sup> / tooling 100% / thickness 20–25 nm
<b>Regular</b>	Density 1 g/cm <sup>3</sup> / tooling 100% / thickness 04–12 nm

### Material Numbers.

<b>SuperClean</b>	LOOB-12039-001
<b>KingClean</b>	LONT-20195-001
<b>Regular</b>	LOST-40024-001

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