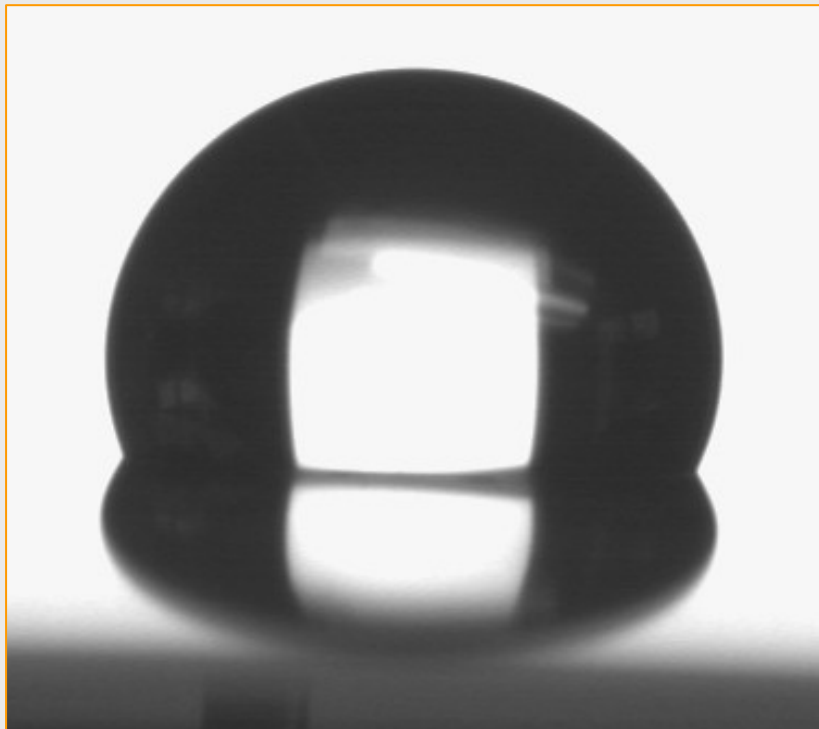




LEYBOLD OPTICS

Hydrophobic and Oleophobic Coatings





Leybold Optics offers different Hydrophobic and Oleophobic coating solutions to cover all different needs in the ophthalmic market.

Super Clean

This high-end Coating Material offers highest contact-angles against water and oily fluid and adds outstanding sealing and smoothing properties to the product.

King Clean

This Coating Material combines the very good oleophobic and regular hydrophobic- properties. It's sealing the surface of the coated lenses and adds easy to clean properties to the surface, The Surface is smoothed and the lens user will not determine any difference to a Premium Superhydrophobic and oleophobic coating. Contact angles against water and oily fluids are slightly reduced, to overcome marking and glazing problems

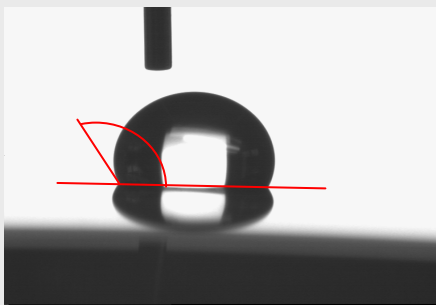
Regular Hydrophobic

This Coating Material has combines good hydrophobic- and oleophobic properties. It's sealing the surface of the coated lenses and adds easy to clean properties to the surface. But only a slight smoothing of the surface to prevent every slippage during glazing.



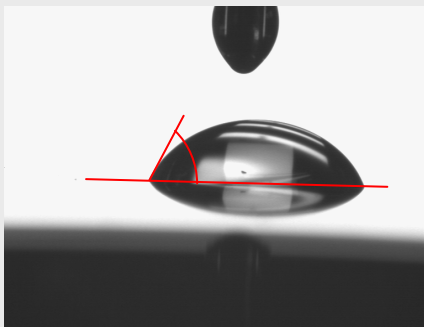
LEYBOLD OPTICS

Hydrophobic properties



SuperClean	> 112° - 120°
KingClean	~ 100° - 108°
Regular	~ 98° - 105°

Olephobic properties

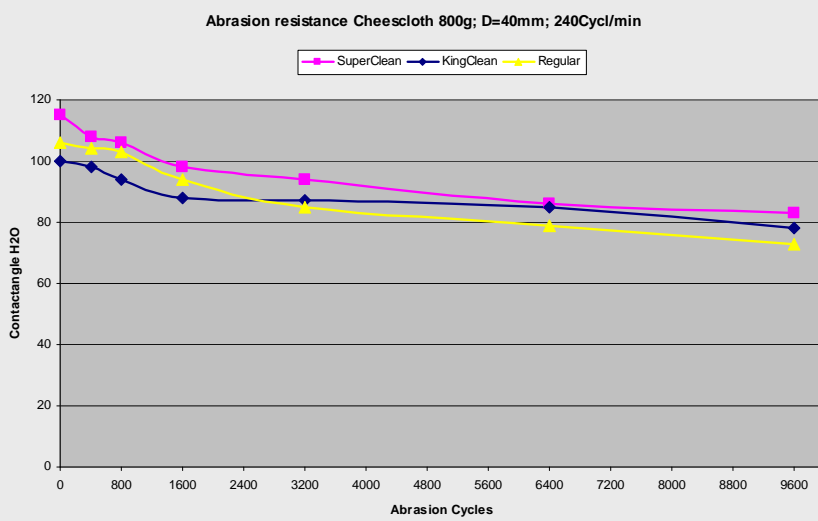


SuperClean	~ 65° - 70°
KingClean	~ 62°
Regular	~ 25° - 60°

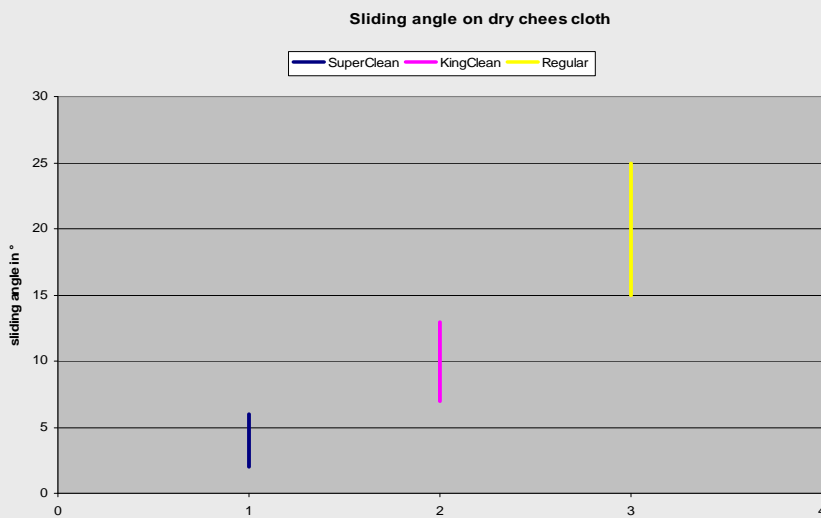


LEYBOLD OPTICS

Wear resistance



Surface smoothing





Application notes

Evaporation from EBG

Liner:	Part No 10024464
Ramp / Hold time:	1s / 1s
Power:	~ 4 mA em. current
Evaporation start after shutter open	~ 40s – 60s

Evaporation from Boat

Evaporation values differ by selected boat guide lines on request

Thickness settings

Super Clean:	Density 1g/cm ³ / Tooling 100% / Thickness 20-25 nm
KingClean:	Density 1g/cm ³ / Tooling 100% / Thickness 20-25 nm
Regular:	Density 1g/cm ³ / Tooling 100% / Thickness 4-12 nm

Recommended thicknesses for Evaporation source in centre position,
For Boat evaporation on 1/2 radius position, thicknesses are ~ 50% reduced



Super Clean

Type A1.1 Part no: 102065165
CCSII (incl.Flip-over), BOXER, SYRUS III

Type A1.2 Part no: 102123730
BOXER (incl.Flip-over), SYRUS 1350

Type A2.1 Part no: 102065192
Table Topcoater TC II

King Clean

Part no: 102136373

Regular Hydrophobic

D=6 x 4 mm Part no: 10084009
CCSII (incl.Flip-over), BOXER, SYRUS III, Syrus 1350

Liners:

Part no 10024464
CCSII, BOXER, SYRUS III, Syrus 1350

Part no 10080632
CCSII before 2004



LEYBOLD OPTICS

Contact Information

Leybold Optics GmbH

Customer Support

Siemensstrasse 88

63755 Alzenau

Fax:+49-6023-500-0

+49-6023-500-150

info@leyboldoptics.com

www.leyboldoptics.com

