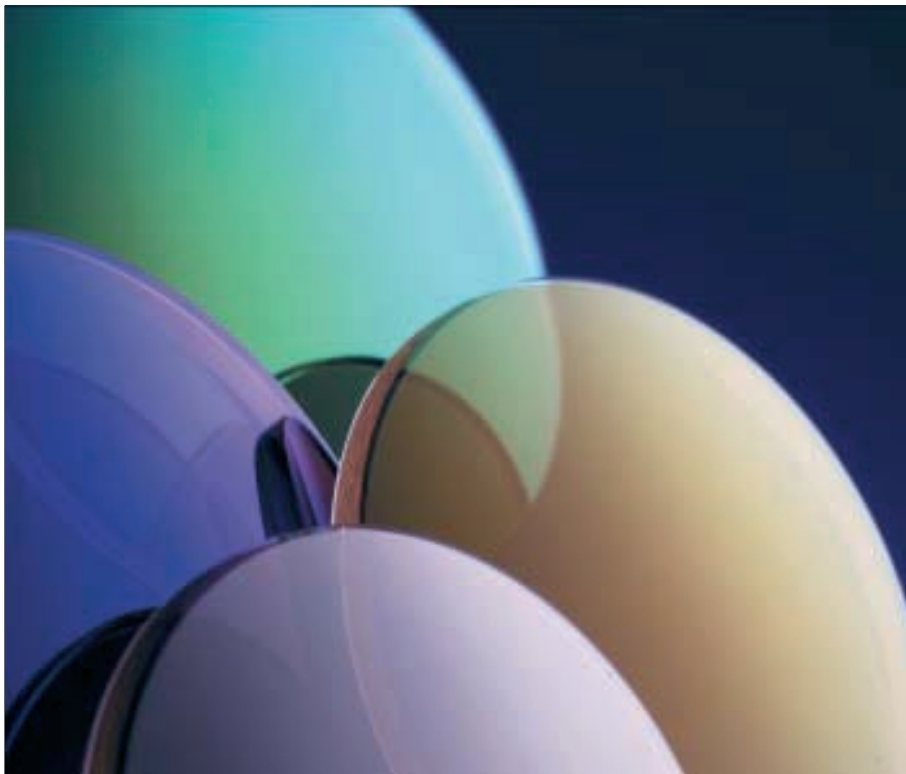


Colored mirrors for sunglass lenses

With Opal, Tiger Eye, Onyx and Tourmaline, LEYBOLD OPTICS offers various kinds of mirror coatings for sunglass lenses. While Onyx offers four layers, all the other processes can even handle up to eight layers. Tourmaline is the special mirror coating for transitions lenses.



OPTICS



Process
Mirror Coating



LEYBOLD OPTICS

Coating Processes for Mirror Coating on Sunglass Lenses

Opal, Tiger Eye and Onyx are our standard processes for colored mirror coatings. The cycle times vary between 20 and 45 minutes. The colors blue, gold, green, silver or red are available. LEYBOLD OPTICS recommends an additional AR coating for the concave side of the lenses. A hydrophobic layer for easy cleaning is included (except for the CCSII *light* system).

Technical Details	Opal	Tiger Eye	Tourmaline	Onyx
Number of layers	3 - 8	3 - 8	3 - 8	4
Cycle time (approx.)	25 - 45 min.	> 45 min.	25 - 45 min.	> 20 min.
Easy Clean	optional	–	–	–
Super Clean	–	–	optional	–

Lens Materials

Mineral glass	x	x	–	x
CR 39	x	x	–	x
PC	x	x	–	x
High index materials	x	x	–	x
Transition® lenses	x	x	x	x

Coating System

CCS II <i>light</i>	–	x	–	–
CCS II <i>pro</i>	x	–	x	x
BOXER	x	–	x	x
SYRUS III	x	–	x	x

Sample of colors

Process time

Substrate

Blue	approx. 35 min.	lacquered plastic or mineral glass
Gold	approx. 35 min.	lacquered plastic or mineral glass
Green	approx. 45 min.	lacquered plastic or mineral glass
Silver	approx. 25 min.	lacquered plastic or mineral glass
Red	approx. 45 min.	lacquered plastic or mineral glass

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