

**PRODESIGN SUNGLASSES**  
**ILLUSTRATION GUIDE.**





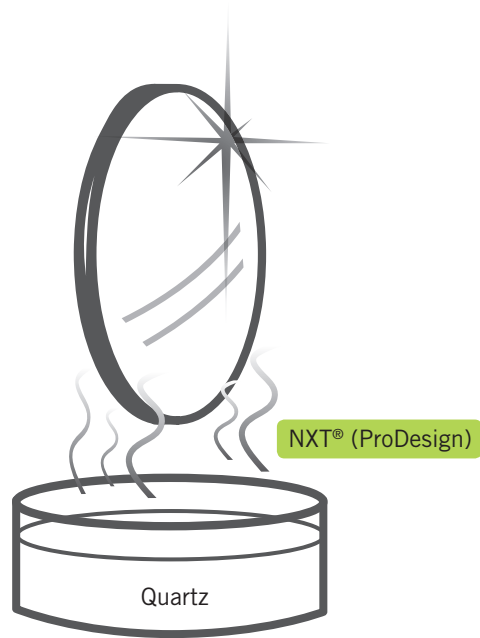
prodesign : denmark

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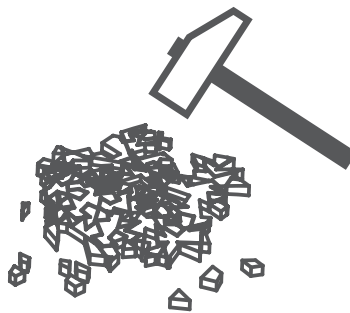
# ANTI-SCRATCH QUARTZ.



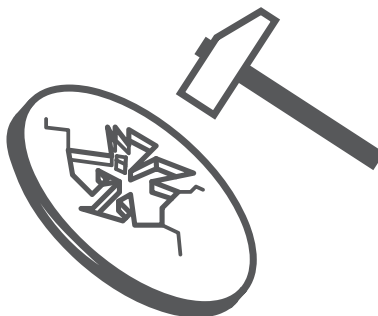
Normal:	No quartz
Good:	1 side quartz
ProDesign:	2 sides quartz

# UNBREAKABLE.

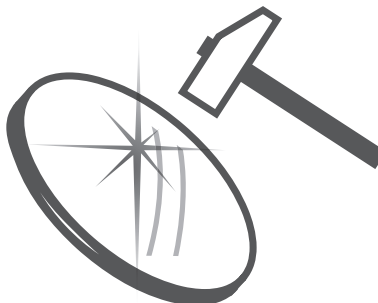
CR39



Polycarbonate



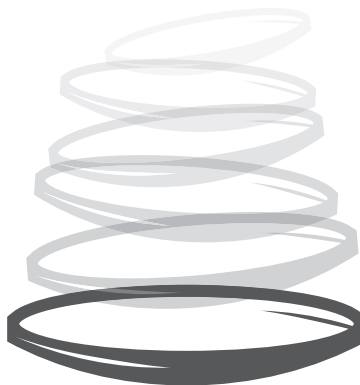
NXT® (ProDesign)



NXT®  
05

# LIGHTWEIGHT.

NXT®  
06



NXT® (ProDesign)



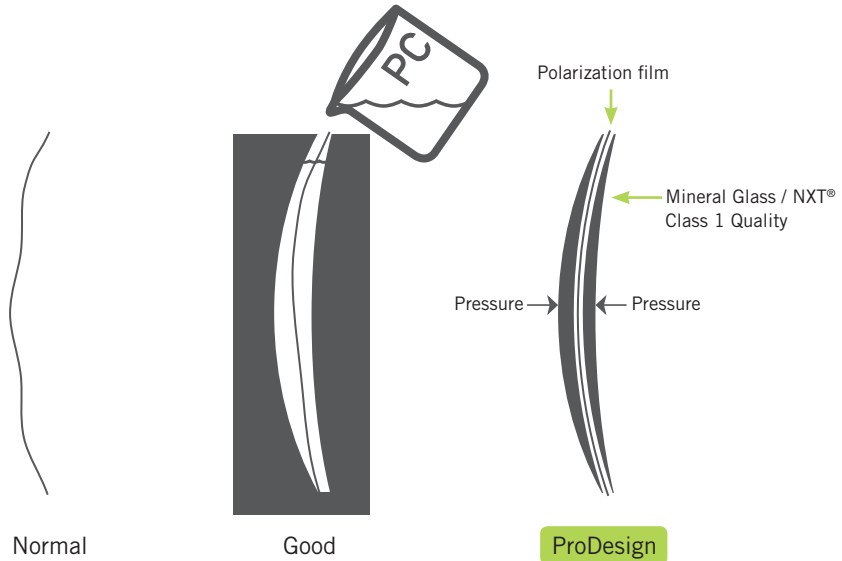
Polycarbonate



CR39

Normal:	CR39	1,33 (Gravity)
Light:	Polycarbonate	1,22 (Gravity)
ProDesign:	NXT®	1,11 (Gravity)

# SANDWICH POLARIZATION.



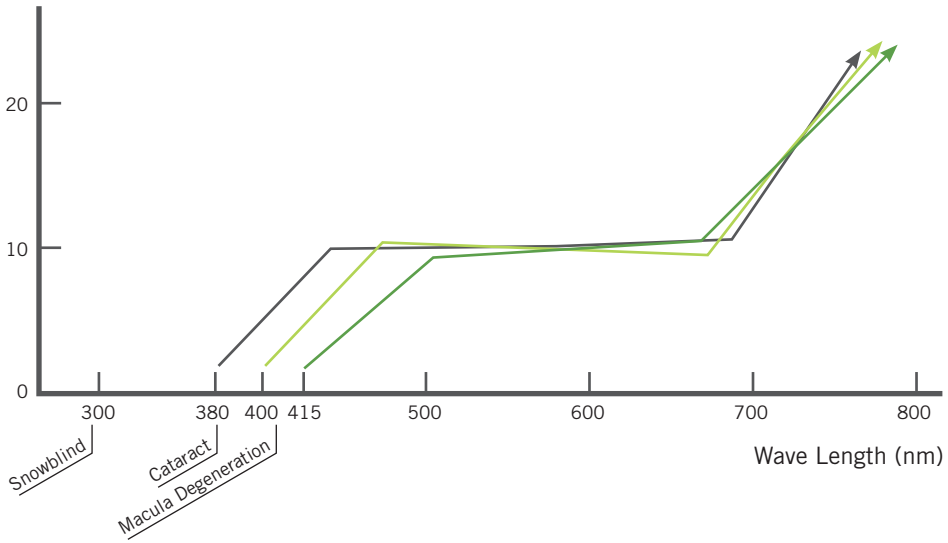
NXT® / MINERAL GLASS  
07

Normal:	Only polarization film	Poor optic
Good:	Polycarbonate by molding	Average optic
ProDesign:	Sandwich of casted lenses	Perfect optic

# UV.

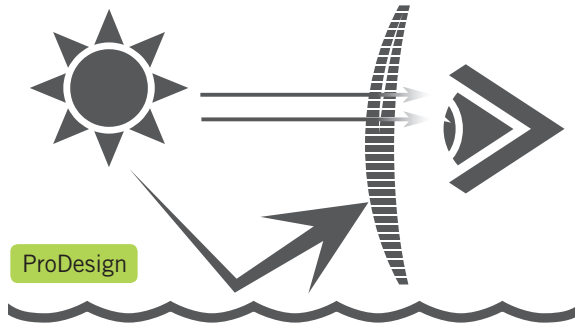
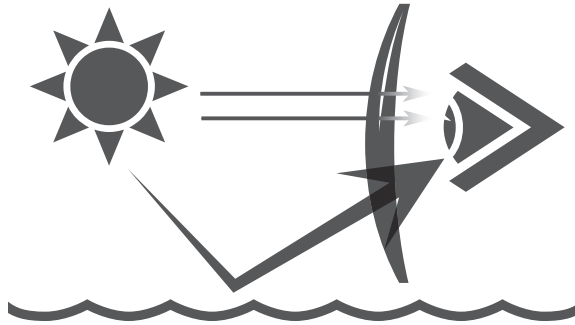
08 NXT® / MINERAL GLASS

Transmission



- Normal: 380-400
- NXT® (ProDesign): 400
- Mineral Glass (ProDesign): 415

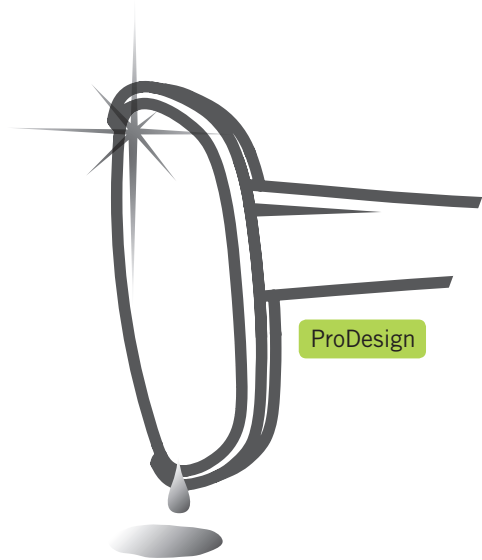
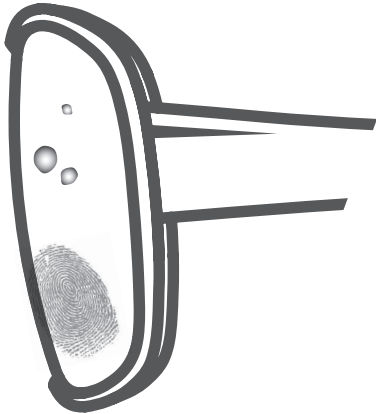
# POLARIZED ANTIGLARE.



Normal:	0% Polarization
Good:	65-99% Polarization
ProDesign:	99,99% Polarization

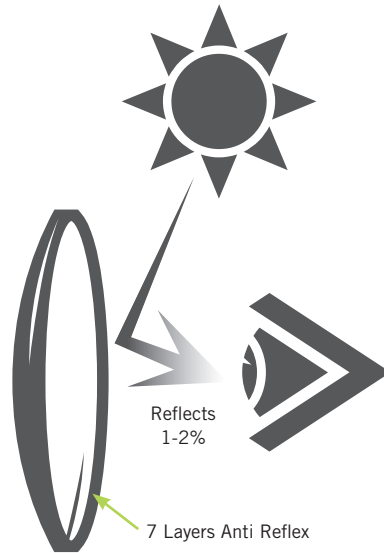
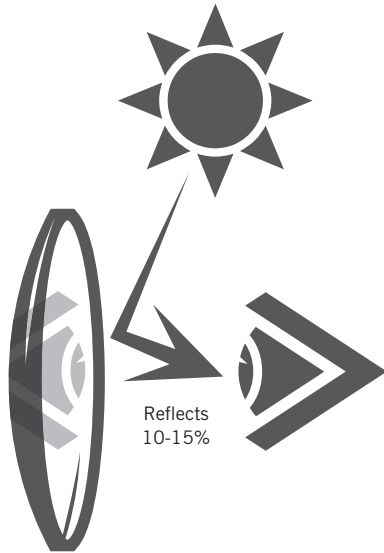
# HYDROPHOBIC/EASY CLEAN.

10 NXT® / MINERAL GLASS



Normal:	Not easy clean
Good:	1 side easy clean
ProDesign:	2 sides easy clean

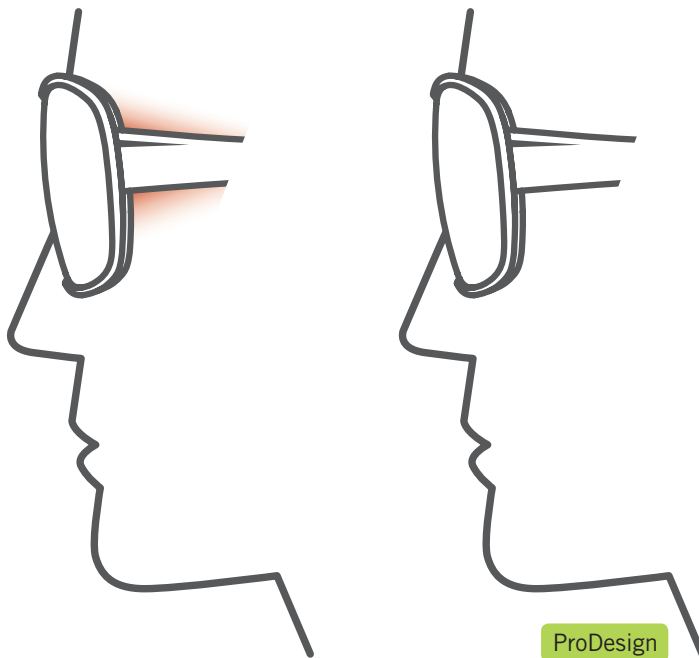
# ANTI REFLEX.



Normal:	No Anti Reflex
Good:	Anti Reflex - 4 Layers
ProDesign:	Anti Reflex - 7 Layers

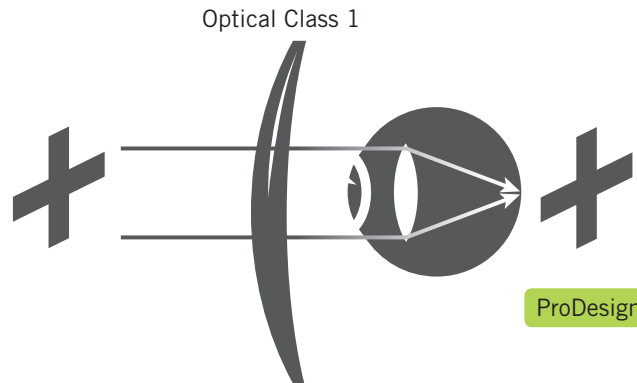
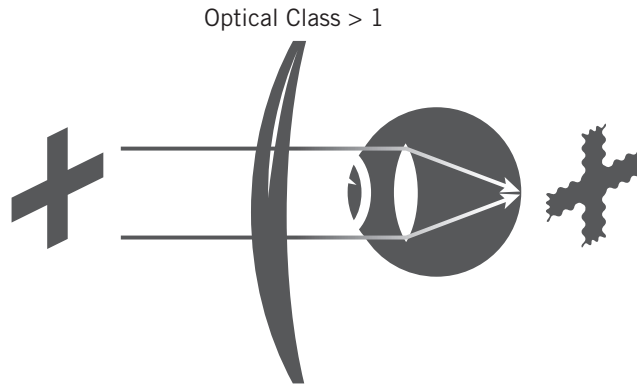
# NON-ALLERGIC.

NXT® / MINERAL GLASS  
12








Normal: Nickel Silver / Monel / Nylon  
ProDesign: Titanium / Acetate

# OPTICAL CLASS 1.



# PROTECTION LEVEL.

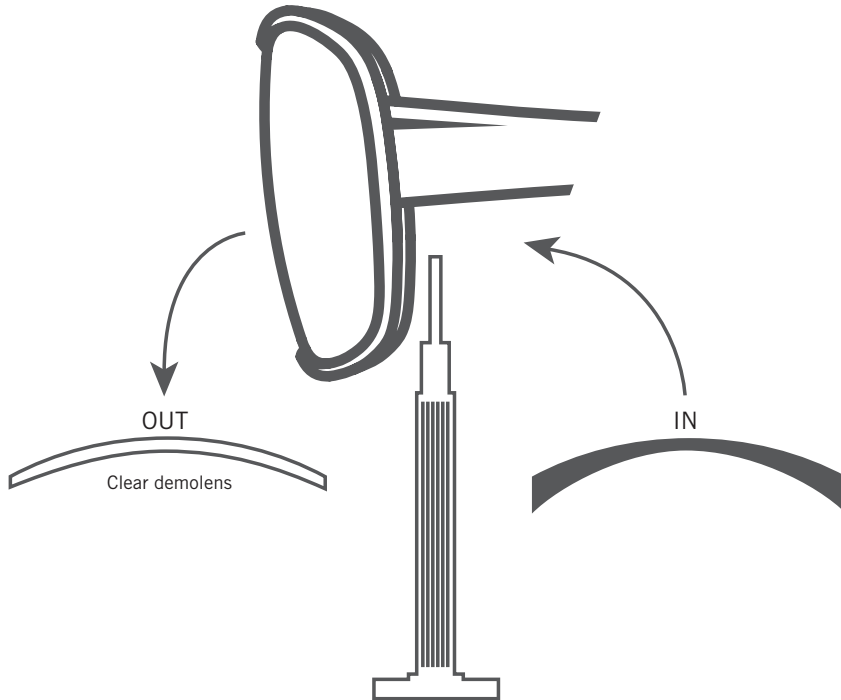
Protection Level:	Lens Description:	Recommended Use:	Light Transmission Ranges:
0	Transparent to slightly tinted		Over 80% to 100%
1	Slightly tinted		Over 43% to 80%
2	Moderately tinted		Over 18% to 43%
3	Darkly tinted		Over 8% to 18%
4	Very darkly tinted		Over 3% to 8%

ProDesign

EU / AU: Level 3

US: General purpose

# RX-ABLE.



All ProDesign sunframes can be ordered without sunlenses

Mineral Glass: Frontcurve Base 6

NXT®: Frontcurve Base 8

# MISC.

## ABBÉ VALUE

Mineral Glass (ProDesign):	54
CR39:	58
NXT® (ProDesign):	45
Polycarbonate:	29

## INTERNATIONAL STANDARDS

EU:	EN 1836:2005	Full Compliance
US:	ANSI Z80.3:2001	Full Compliance
AU:	AS/NZS 1067:2003	Full Compliance

## DROPBALL TEST

Mineral Glass (ProDesign): Pass

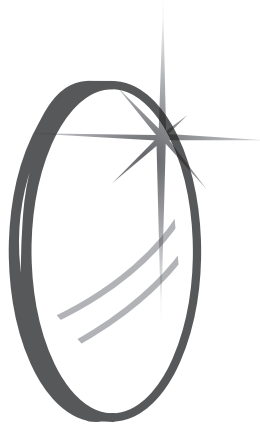
## HIGH SPEED IMPACT TEST

NXT® (ProDesign): Pass

## CHEMICAL RESISTANCE

Poor: Polycarbonate  
Good: Mineral Glass (ProDesign), NXT® (ProDesign), CR39

# SCRATCH RESISTANCE.

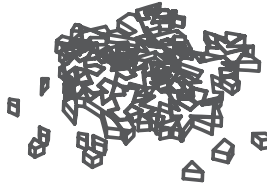


Mineral Glass (ProDesign)

Normal:	Easy scratch
Good:	NXT® (ProDesign)
Best:	Mineral Glass (ProDesign)

# IMPACT RESISTANCE.

Problem: Breakage, chips →



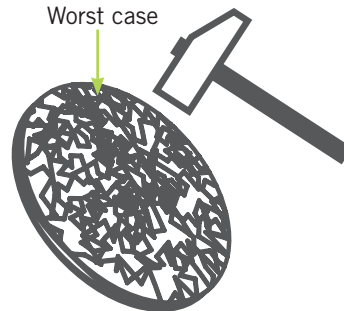
Polarization film protect ↓



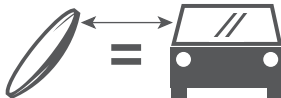
+



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Mineral Glass (ProDesign)

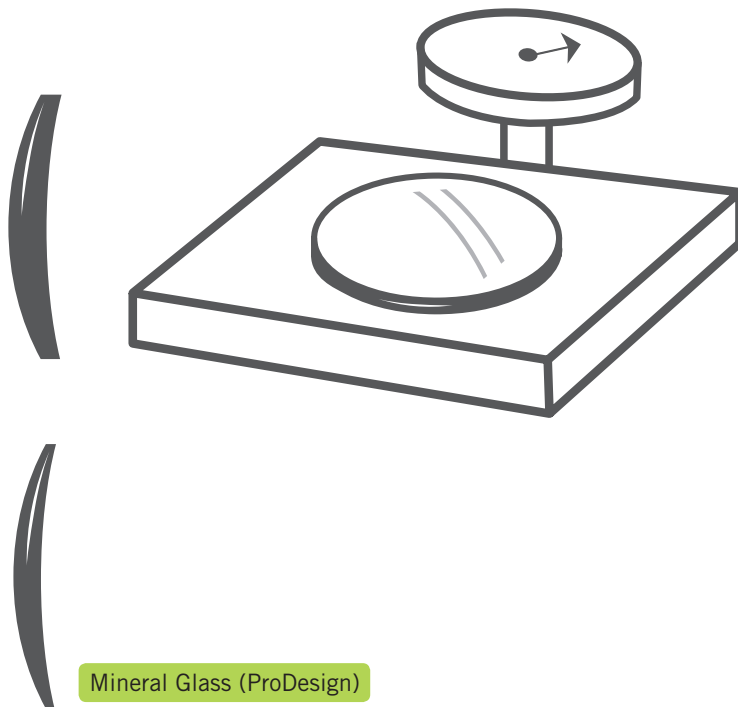


Normal: No hardening - Easy breakage - Chips

Good: Hardened - Difficult breakage - Chips

ProDesign: Hardened - Difficult breakage - No chips

# THICKNESS AND WEIGHT OPTIMIZED.



Normal:  $1,1 + 0,4 + 1,1 = 2,6 \text{ mm}$

ProDesign:  $0,7 + 0,4 + 0,7 = 1,8 \text{ mm}$

