

LotuTec[®]

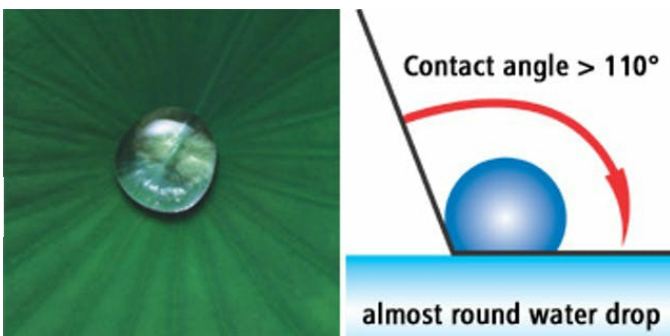
The ZEISS lens coating for crystal-clear vision

LotuTec[®] is the innovative ZEISS spectacle lens coating that helps you to enjoy clear vision at all times. The water and grease-repellent coating displays a strong beading effect that significantly simplifies cleaning.

The Super ET broadband anti-reflective coating eliminates irritating glare and reflections. The hard coating makes the lens surface tougher.

[Design](#) [Benefit](#) [Details](#)[Contact](#)

The Lotus Effect on LotuTec[®]



With LotuTec[®]

As with lotus leaves, fluid and dirt simply drip or fall off the lens thanks to the Clean Coat of LotuTec[®].

LotuTec® sets pioneering standards in durability. Wearers will enjoy a totally new experience in wearing comfort - thanks to the lotus effect of Clean Coat.

Principle invented by nature

A principle of nature inspired us to invent the outstanding Clean Coat - the lotus effect.

Simply clean - simple to clean

Fluid and dirt simply drip or fall off the lens. Cleaning and lens care are much easier if the lens does get dirty.

The benefits for the wearer

1. Robust

ZEISS lenses with LotuTec® AR coating are durable lenses as they are provided with a hard lacquer.

2. Dirt resistant

Thanks to the ultra-smooth Clean Coat, dust and lint do not adhere to the surface easily.

3. Very easy to clean

The super-slick Clean Coat makes lenses very easy to clean. Lenses with high contact angle repel oil and water more effectively.

4. Anti-reflective properties

Green reflection colour provides good anti-reflective properties.

LotuTec® provides the optimum coating for spectacle lenses

Surface and coating structure

- ✓ Pre-treatment and compression through ion bombardment
- ✓ Optimisation of internal stress

Hard coating

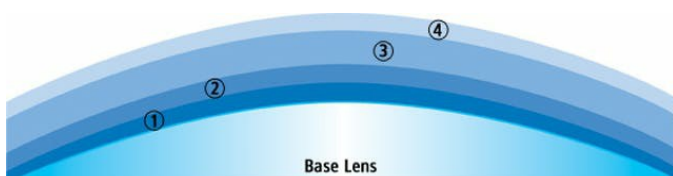
- ✓ Optimally adapted to the base lens material and the coating structure
- ✓ Strengthened by nano-particles

Super ET anti-reflection coating

- ✓ Residual reflection with discreet, aquamarine colour
- ✓ Very low reflectance
- ✓ Excellent transparency of over 99 %

Clean Coat

- ✓ water-repellent
- ✓ dirt-repellent
- ✓ oil-repellent



Coating structure of LotuTec®

1. Hard coating, reinforced by nano-particles
2. Adhesive layer with optimised formula
3. Super ET anti-reflection coating, proven multilayer structure with outstanding transparency
4. Clean Coat, extremely smooth, revolutionary lotus effect +

Technological lead six times over

✓ **Innovative nano-technology**

Pre-treatment of lens surface through ion bombardment

✓ **Totally new production equipment**

An investment totalling millions of euros

✓ **Unique know-how**

Development exclusively for and with ZEISS

✓ **New coating design and material**

The materials originate in the semiconductor technology

✓ **State-of-the-art production processes**

New washing processes, new surface treatment

✓ **Revolutionary Clean Coat**

Unparalleled smooth coating surface

ZEISS is one of the world's leading manufacturers of spectacle lenses, and is committed to delivering maximum precision and comfort. ZEISS designs and produces lenses, instruments and measurement systems, as well as retail concepts and technology services that continue to raise the bar in vision care.



Contact us to Get Started

ZEISS Customer Service

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✉ Email





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- Work Life

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- Sunglasses
- Working Glasses
- Sports Glasses
- Glasses for Children
- Lens Coatings
- Contact Lenses
- Lens Cleaning
- At the Optician

Services

- My Vision Profile
- Online Vision Check

For Eye Care Professionals

- Instruments + Technologies
- ZEISS Spectacle Lenses
- ZEISS Cleaning Solutions