



PASSION FOR PRECISION

OPHTHALMIC LENSES - MADE IN GERMANY





The benefits are clear: Saphir® X IR

The sun doesn't just give us a tan, it keeps us warm too! In addition to the benefits of Saphir® X, such as a super-hard layer, anti-static layer and super-hydrophobic coating, the lenses also come with integrated infrared protection, thanks to a highly complex anti-reflective package which reduces IR-A transmission by 67%, even in clear lenses.

Given that infrared radiation accounts for over 40% of the solar spectrum, upgrading to Saphir® X IR is a good idea, especially when it comes to your sunglasses. As well as the additional protection, the high-end finishes will allow you, as an optician, to set truly set yourself apart from the wide range of discounter products on offer.

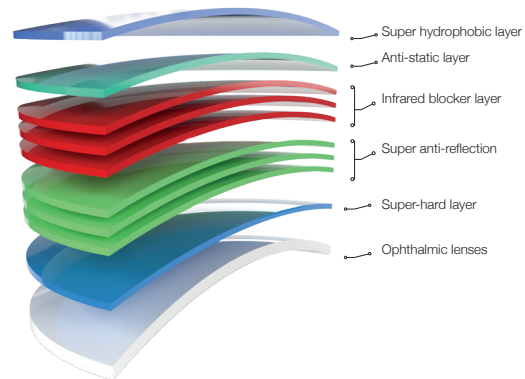
Residual reflection colour



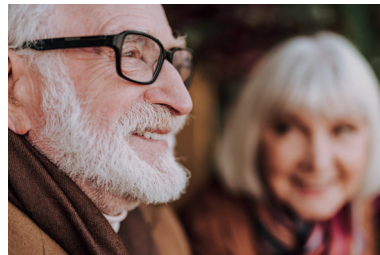
The Saphir X IR finishing is particularly visually appealing as it has an effect similar to that of a light flash mirror coating.

UV & infrared protection - not just for sunglasses

- UV and infrared protection for your eyes
- Infrared rays comprise over 40% of the solar spectrum
- Clearly distinct from the "optician quality sun protection" offered by discounter goods (in petrol stations, pharmacies, etc.)
- Super-hydrophobic coating
- Clean & anti-static layer
- Multi-layer super anti-reflection technology
- Super-hard layer



Even a clear lens can provide 100% UV protection: Saphir® X IR



People who have undergone eye surgery (such as cataract surgery) require a particularly high degree of protection due to the loss of the ability to filter light through their natural lenses. Having UV and infrared protection your sunglasses and normal corrective glasses is therefore to be recommended, in order to prevent any further strain on the retinas, especially after such an operation.

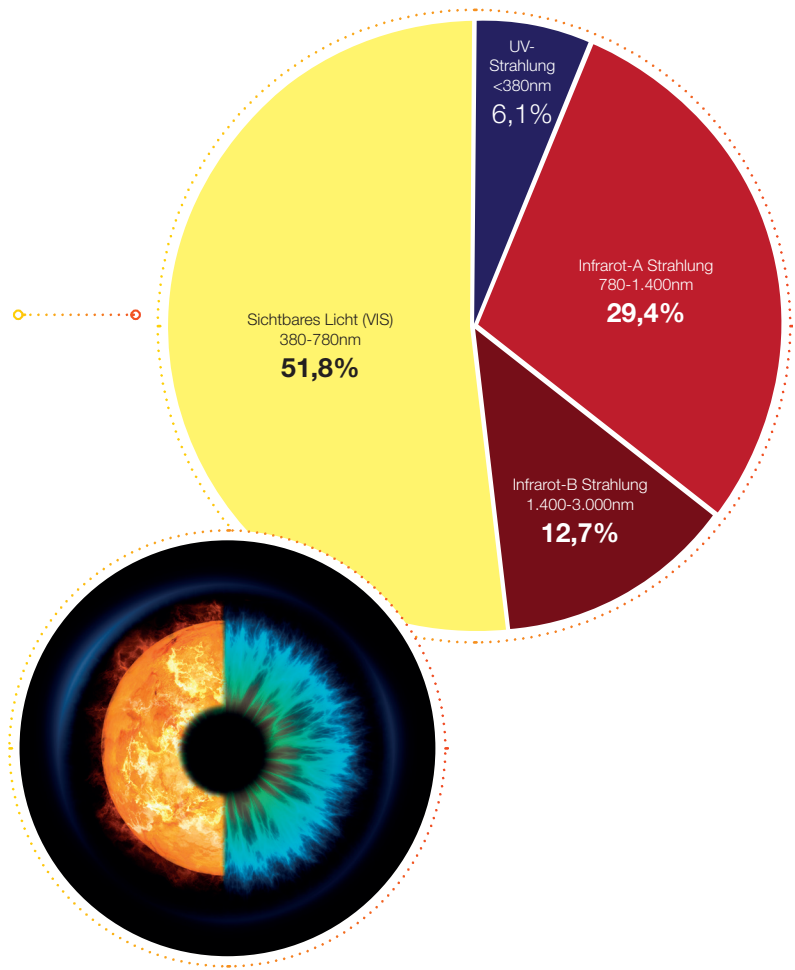


Why is infrared protection important?

The simple answer to this question is: On average, people live much longer nowadays. While the average life expectancy of a woman born in Germany in 1950 was 68.5 years, it has already reached 83.4 years for a woman born in 2015. This trend is expected to continue. As for our eyes, these are nothing more than "wearing parts". It is important to minimise wear, as in the long term, certain parts of the eye, such as the retina, cannot be repaired.

Infrared protection in other fields

Research in the field of dermatology is well underway and there are relevant studies on the damage caused by infrared radiation, whose findings have already been incorporated into the development of new sunscreens. The view taken by manufacturers of these sun protection products is that "without infrared protection you are only half protected from solar radiation" as infrared radiation represents more than 40% of the solar spectrum.





New: Saphir® X Nuance

“Make-up” effect for ophthalmic lenses

Thanks to the delicate beige-pink residual reflection of the Saphir® X Nuance, the lens finishing adapts to the face of the wearer.

Low residual reflection to meet the highest aesthetic standards

The residual reflection of Saphir® X Nuance is greatly reduced, even compared to traditional anti-glare technologies with a green residual reflection.

Optimum quality and durability

The constant optimisation of our finishing processes ensures that we can offer an especially resilient hard layer and an optimised super anti-reflection technology with up to 80% less residual reflection. A newly developed **top clean & anti-static layer** rounds off the finishing of Saphir® X Nuance.

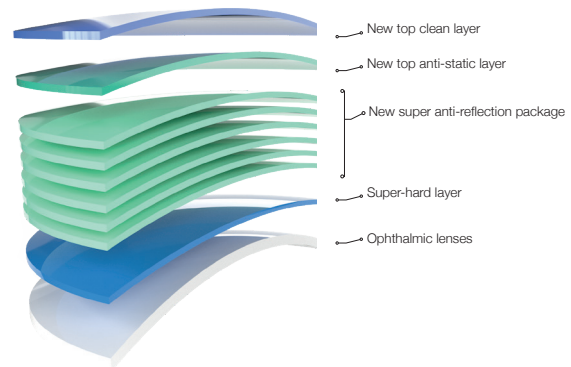
Residual reflection colour



Almost invisible: the new Saphir® X Nuance



- “Make-up” effect thanks to the beige-pink residual reflection
- 80% reduction in residual reflection to meet the highest aesthetic standards
- Optimum quality and durability
- New top clean & anti-static layer
- Multi-layer super anti-reflection technology
- Extremely resilient super-hard layer



Comparison: Saphir® X Nuance



Without super anti-reflection technology



With Saphir® X, green residual reflection



With Saphir® X Nuance, beige-rose residual reflection



Blue light protection: Saphir® X Blue

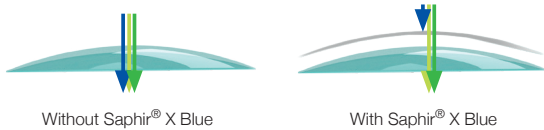
Blue light protection and contrast enhancement

As a result of the long hours we spend on laptops, smartphones and tablets, we are increasingly experiencing eye fatigue and even frequent headaches or dry, irritated eyes. This is due to the blue-violet light that is emitted by most digital devices. When visible light hits the eye, the blue light waves are refracted and focused more strongly in front of the retina. The diffused light this produces leads to the aforementioned problems. Our Saphir® X Blue filters out a large amount of this harmful light.

For the increased use of digital devices



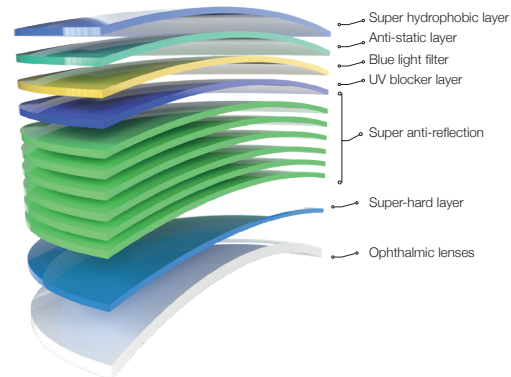
- Protection against harmful blue-light, UV protection
- Preventing headaches, (eye) fatigue, etc.
- Contrast enhancement & the ability to see comfortably
- Optimum quality and durability
- Super-hydrophobic coating
- Anti-static layer
- Multi-layer super anti-reflection technology
- Super-hard layer



Residual reflection colour



- Colour of the front surface
- Colour of the back surface



Blue light protection & contrast enhancement: Saphir® X Blue



Without Saphir® X Blue



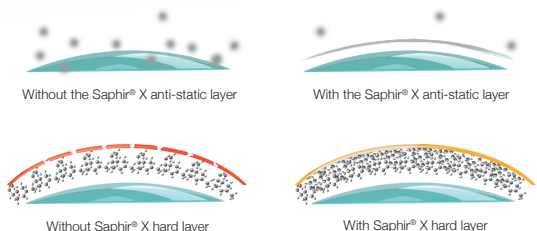
Contrast enhancement with Saphir® X Blue



Premium finishing: Saphir X® Next Gen.

Optimum quality and durability

When it comes to the quality and longevity of the layers of premium lenses, the customer demands are constantly increasing. Offer your customers two very clear added benefits with Saphir® X Next Gen.: An optimised hard layer including a 3-year warranty and an additional clean and anti-static coating that prevents dust deposits.



Residual reflection colour



Anti-static coating

The anti-static layer prevents the lenses becoming electrostatically charged during cleaning. This keeps the glasses free of dust.

Low residual reflection to meet the highest aesthetic standards

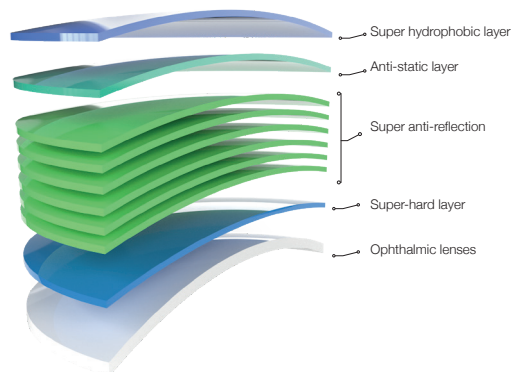
The residual reflection of Saphir® X Next Gen. is much less than that of its predecessor.

Available from winter 2021!

For wearers of glasses who have an eye for quality



- Significantly reduced green residual reflection
- Tried and tested premium finishing
- Clean & anti-static layer
- Multi-layer super anti-reflection technology
- Super-hard layer



Comparison: Saphir® X finishings



Finishing	UV* and infrared protection	Aesthetically-pleasing finishings for all frame colours	Blue light protection	Premium finishing
Residual reflection	Green	Beige-pink	Blue (front) Green (back)	Green
Warranty	3 years	3 years	3 years	3 years
Availability	<ul style="list-style-type: none"> Protect or Protect Eagle Eyes materials or an 1.60 index* or higher All sun protection products 	1.60 and 1.67 index lenses	All lenses	All lenses
Target group	<ul style="list-style-type: none"> Glasses-wearers who enjoy being in the sun. People with sensitive eyes, e.g. following cataract surgery: useful for sunglasses and corrective glasses. 	For people with an eye for quality and high aesthetic standards.	Ideal for those who frequently use electronic devices, such as: smartphones, PC displays, tablets, etc.	For wearers of glasses who have an eye for quality and value durability and longevity.
Hard layer	✓	✓	✓	✓
Super anti-reflection	✓	✓	✓	✓
Blue light filter	-	-	✓	-
UV protection*	✓	✓	✓	-
Infrared protection	✓	-	-	-
Anti-static & clean layer	✓	✓	✓	✓
Super-hydrophobic layer	✓	✓	✓	✓

* As a rule, all Protect/Eagle Eyes materials, as well as ophthalmic lenses with a 1.60 index or higher and all solar protection lenses come with UV protection.



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