



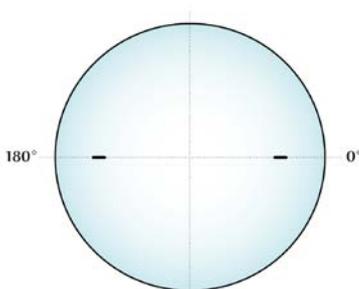
A toric contact lens for monthly replacement with 69% water content, uncoated silicon hydrogel, 2-curve back surface, aspheric edge design and integrated UV-protection.

Concept and design

The silicon-hydrogel material „Aerofilcon A“, in combination with a novel geometry for stabilisation of the axis, it has become possible to develop a toric monthly contact lens offering an ideal balance between moisture and oxygen supply as well as stable visual acuity.

The “Contaview excellence toric UV” creates the best conditions to offer a good tolerance for normal as well as protein-containing tear film even if the contact lens is worn for long hours. The high need of oxygen of the cornea is met through high oxygen permeability also in higher powers.

The “Contaview excellence toric UV” monthly contact lens qualifies not only for clients who after a long day still wish to have the highest level of comfort but also for those who are safety-conscious and demand the best possible performance of their contact lens.



Position of engravings in 0° and 180°

The “Contaview excellence toric UV” contact lens is recommended for the correction of astigmatic refractive errors when a standardized contact lens can be used.

The material

The newly developed “Aerofilcon A” offers, with a DK/t of 76×10^{-9} , and a low Modulus¹⁾ of 0.42, well balanced qualities providing a noticeably softer feeling to the contact lens and therefore provide high tolerance. The integrated UV filter serves as an additional protection against damaging radiation.

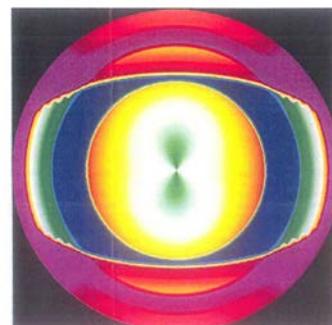
The plasma treatment of “Contaview excellence toric UV” does not produce a coating but instead a change, a smoothing of the surface. The new nanoskalige, homogeneous surface structure brings long-term, optimal wetting properties.

Modulus

The rigidity of a contact lens is determined through its geometry and through the module of elasticity (E-Module) identified as “Modulus”. The “modulus” is a matter constant indicated as $MPa = N/mm^2$. A high E-Module stands for a “hard” material, a low E-Module for “soft” material. Since the contact lens-industry has no consistent method of testing to determine the module of elasticity, comparison between products is only conditional. First generation silicon-hydrogels show E-Module readings between 1.1 and 1.52 MPa.

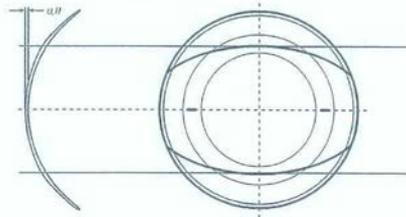
The geometry

A novel, toric double slab-off lens design allows quick, consistent alignment of the stabilization axes on the eye, and the balanced geometry ensures superior, spontaneous and long-lasting comfort.



Power Map

Due to the selected geometry the contact lens can be inserted rotated at a maximum of 90° of axis. Compared to the prismatic stabilizing geometries, the rotation path is usually shorter and the definitive stabilization position attained more quickly.



Geometry of the toric contact lens
„Contaview excellence toric UV“

An outstanding spontaneous, long-lasting lens compatibility is achieved through the unique edge design. When blinking with the eyelids, there is a gentle interaction of the lids with the lens facilitating tear film circulation under the lens and thus enhanced, optimal wearing comfort.

The spontaneous comfort thus achieved was known previously only with unilateral, tapered edge profiles.

Technical data

Material FDA groupe II (UV filter, non ionic)	Aerofilcon A (69%)
Handling-tint	light turquoise
Manufacturing method	cast moulding
Water content	69%
Back surface	toric bi-courbe
Front surface	toric double slab-off
Central thickness (with -3.00 dpt)	0.1mm
Oxygen permeability (Dk/t)	76×10^{-9}
Optical zone	ca. 9.00mm
Stabilisation	symmetric-dynamic without prism (hybrid)
Marking of axis	at 0° - 180°

Fitting

After inserting a spheric “Contaview excellence toric UV” monthly lens, the evaluation of the lens fit and then the initial diagnostic lens can be determined through over refraction.

There is also the possibility of inserting an initial toric “Contaview excellence toric UV” monthly lens, either from the fitting set or as an ordered diagnostic lens in order to determine the prescription lenses using stabilisation and over refraction.

The contact lenses should fit centrally, and should still move and glide gently even after four hours of wearing time with lid closure and rapid eye movement.

As additional criteria the following apply:

- Any possible impression of the rim of the contact lens on the conjunctival tissue must be avoided.
- Stable visual acuity
- No air bubble should form under the lens when placed on the eye.
- The rim of the lens should not protrude from the cornea/conjunctiva in any line of vision.

Lens care

The CONTOPHARMA “simply one” Universal Comfort Solution, the all-in-one “Universal Solution” or the “tab in one” peroxide care system are recommended by CONTOPHARMA for the care of the “Contaview excellence toric UV” contact lenses.

The CONTOPHARMA Comfort solutions are outstandingly suited for re-wetting.

With the solution “drop&see” in case of reduced tear production, the cell functions of the cornea are supported by balancing the active ingredients.

With the solution “lens&lid”, the contact lens surfaces are additionally protected against contamination while wearing.

“Ocusan” available in mono-dose containers that can be re-sealed is of great use for sensitive eyes for it contains no conservation agents.

In case of further requirements, the non-abrasive cleansing solution “i-clean!” suits the need of a supplementary cleansing.

Wearing schedule

A monthly replacement plan is recommended for the CONTOPHARMA “Contaview excellence toric UV” contact lenses.

Warning notice

Contact lenses that absorb UV radiation are not a replacement for other optical aids such as corrective lenses or sunglasses that also provide UV protection. The user should protect him- or herself then from radiation using suitable aids

To date it has not been shown to what extent UV radiation absorbing contact lenses can have an influence on the frequency of ocular changes caused by UV radiation.

Product range, Type of packaging, prices:

Product range:

Diameter	mm	14.40
Base curve	mm	8.60
Power	dpt	
Minus	dpt	plan to -6.00
	dpt	(gradation in 0.25 dpt)
	dpt	-6.00 to -8.00
Plus	dpt	(gradation in 0.50 dpt)
	dpt	plan to +4.00
	dpt	(gradation in 0.25 dpt)
Cylindrical values	dpt	sph +4.00 to +6.00
	dpt	(gradation in 0.50 dpt)
Axis	dpt	-0.75, -1.25, -1.75, -2.25
		0° to 180°
		(gradation 10° at a time)

Packaging: Pack of 6 contact lenses in a blister

CONTAVIEW excellence toric UV

Ideal Balance between
moisture and oxygen supply

Optimal and reliable stabilisation

Literatur

- ¹⁾ Fromme Roland: Vergleichende Materialprüfungen von Silikonhydrogel-Kontaktlinsen, Die Kontaktlinse 9/2008