

PRIMA LENSES

The tri-curve front surface **PRIMA** lens has proven very popular since its introduction because of its high water content and reduced thickness profile which allows greater oxygen transmission without sacrificing durability and good handling capabilities. It is made from FDA approved **non-ionic Igel 67** material which is manufactured in **UltraVision's** own laboratories in Leighton Buzzard enabling greater control over the parameters and characteristics of the finished lens. All **PRIMA** lenses include a **UV inhibitor**.

The increased oxygen transmission of the **PRIMA** lens which results from its design and higher Dk figure makes it suitable for patients with very high oxygen demand or for extended daily use.

The **PRIMA** lens range comprises the high water area of **UltraVision's** "stock lens" range of lenses, of which a stock range of the standard parameters and powers is maintained to virtually ensure the ability to fulfil orders immediately.

LENS SPECIFICATIONS

Diameter	14.5mm
BOZR	8.3, 8.7 & 9.1mm (9.1mm plus only)
FOZD (-3.00D)	8.5mm
Centre thick. (-3.00D)	0.11mm
Power range	Plano to $\pm 10.00D$ in 0.25D steps $\pm 10.50D$ to $\pm 20.00D$ in 0.50D steps

MATERIAL SPECIFICATIONS

Material	Terpolymer of N-Vinyl Pyrrolidone
Water content	67.5%
O ² permeability 21°C Fatt Units	17×10^{-11}
O ² permeability 35°C Fatt Units	30×10^{-11}
Linear expansion	1.46 (nominal)
Radial expansion	1.45 (nominal)
Refractive index	1.39 hydrated

Indicated Fitting Table

The following guide should be used to select the initial fitting **PRIMA** lens.

Mean K < 8.00mm BOZR 8.3mm Mean K > 8.00mm BOZR 8.7mm

Cleaning & Disinfecting

UltraVision PRIMA lenses are compatible with all current chemical and oxidative systems. Care should be taken in the application of the manufacturers' minimum recommended exposure time to chemical systems where lenses have been tinted.

Hi-tints

PRIMA lenses are also available (to prescription) in **Hi-tint** form with enhancing transparent colours. A trial set of five low power **UltraVision PRIMA** lenses of mixed BOZR's and colours is available for diagnostic and demonstration purposes. This trial set has iris diameters of 11.5mm and pupil diameters of 4.0mm. **Note:** Due to the difference in tint take-up between materials, all colours will vary slightly between materials

Tint range

Aqua, Smokey Brown, Emerald,
Sapphire Blue and Violet.

Iris diameters

10.0mm to 12.5mm in 0.50mm steps

Densities

5% or 10%

Pupil diameters

2.0mm and 3.0mm to 6.0mm
in 0.5mm steps

Configuration

Design C or B (see Tinting section)