

NaturalVue® Multifocal : The Benefits of High Relative Plus Power Across Your Patient Population



Douglas P. Benoit, OD, FAAO
Executive Director,
Professional Services for VTI

Pinhole Optics and EDOF

NaturalVue® (etafilcon A) Multifocal 1 Day Contact Lenses uniquely employs the principle of pinhole optics, creating an Extended Depth of Focus (EDOF).

To harness the power of pinhole optics in its design, the Neurofocus Optics® Technology of NaturalVue Multifocal relies on the rapid, continuous and uninterrupted progression in relative plus power outward from the center of the lens.

With this design, NaturalVue Multifocal can deliver spectacle-level visual acuity across all distances.¹

A “Powerful” Effect: 3 or More Diopters of Plus Power

In the NaturalVue Multifocal, with no conventional “transition zones,” the plus power increases rapidly

from the center outward in a smooth, continuous and uninterrupted fashion—reaching 3 diopters or more. Because there’s so much plus power near the treatment zone, the effect of the lens may be greater vs. traditional designs in terms of its ability to move defocused light rays inside the retina. Other published studies suggest that more plus power in the near periphery (closer to the fovea) may create a stronger effect.²

Additionally, the BLINK study supports the benefit of higher ADD power in a lens. That study concluded that treatment with the higher ADD power multifocal contact lenses tested was more effective with progressing myopes.³

Multiple Types of Patients Benefit from NaturalVue® Multifocal.

The versatility of this lens comes, in part, from a very unique extended depth of focus (EDOF) design. The high amount of relative plus can be tolerated well with all types of patients because the EDOF design creates pinhole optics that are unique to each person’s own optical system. This enables clear vision at near, intermediate and importantly, distance.



NaturalVue® Multifocal

- ✓ **Power Range:** +4.00 to -12.25 D in 0.25 D steps
- ✓ **Add:** One effective add of +3.00 D for a simplified fit¹
- ✓ **Relative Plus Power:** 3 diopters or more

For additional information, please contact Dr. Doug Benoit at dbenoit@vtivision.com or VTI Technical Consultation **1-844-VTI-LENS (1-844-884-5367)**, ext. 102, or TechnicalConsultation@vtivision.com

References: 1. VTI data on file 2015. N=59. Data assessed after one week of wear. 2. Smith EL III. Optical treatment strategies to slow myopia progression: Effects on the visual extent of the optical treatment zone. *Exp Eye Res.* 2013 Sep;114:77-88 3. Walline JJ, Walker MK, Mutti DO, et al. Effect of High Add Power, Medium Add Power, or Single-Vision Contact Lenses on Myopia Progression in Children: The BLINK Randomized Clinical Trial. *JAMA.* 2020;324(6):571-580. doi:10.1001/jama.2020.10834