



# ovoveil × debs

A gift from nature to  
protect your skin.  
That's **ovoveil**.

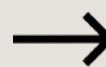
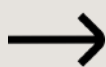
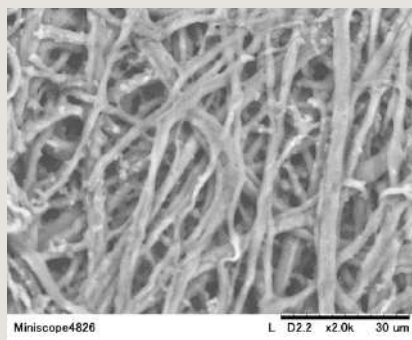


# What is Ovoveil?



## Fiber made from eggs?

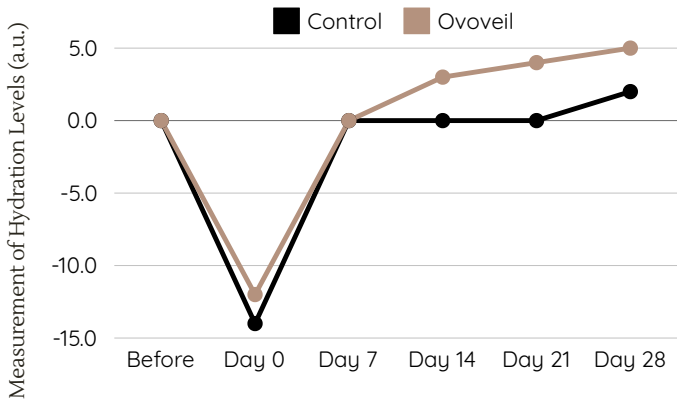
Eggs give birth to new life even in the harshest of conditions. Bio-venture company Pharma Foods has researched eggs for decades and discovered that the eggshell membrane is the secret to this miracle. The eggshell membrane is made up of fibers that give natural protection against dehydration, dryness, bacteria, viruses, and stress from the extreme heat and cold. Pharma Foods has successfully developed a way to extract these protective fibers and create a cellulosic yarn to be used in textiles.



## How it's made

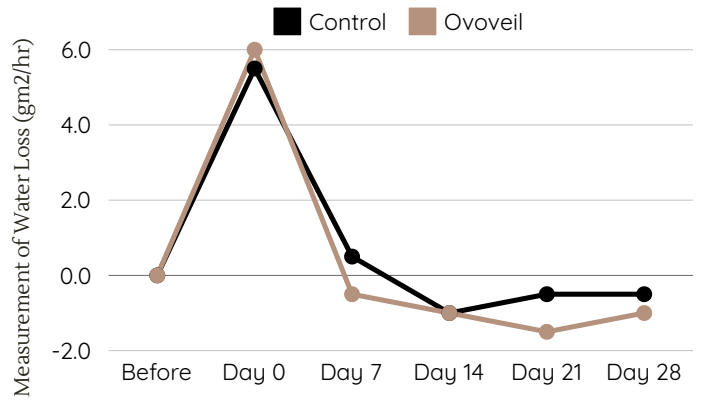
Every year, 260,000 metric tons of eggshells are thrown away in Japan alone. The amount of eggshell by-product is especially large in the commercial food industry. Ovoveil was made as an effort to salvage this otherwise discarded material. Using a special patent-pending process of hydrolysis, researchers extract the fibers of the eggshell membrane and blend it with renewable cellulose to create the Ovoveil yarn. One T-shirt with 30% Ovoveil content can be made from approximately 100 eggshells.

### Ovoveil Moisturization of Skin



†:  $p < 0.01$  (vs. Control), N=17  
Student's t-test, mean  $\pm$  SD

### Ovoveil Protection Against Dehydration



†:  $p < 0.05$  (vs. Control), N=17  
Student's t-test, mean  $\pm$  SD

## Fashion and beyond

Textiles made from Ovoveil fibers are effectively used in various segments of the fashion industry – outerwear, innerwear, intimates, and maternity and babywear. In addition to apparel, the use of Ovoveil is limitless - beddings, socks, towels, and more. Ovoveil is eco-friendly and beneficial to the health of the skin, making it an extremely versatile fiber.



Ovoveil presented by Naoko Tosa at New York Fashion Week 2024



### Soft touch with benefits

Fabrics using Ovoveil not only have a special soft touch comparable to that of silk and cashmere, but come with the benefits of skin moisturization, skin protection, maintenance of healthy pH levels, and protection against harmful UV rays. All these benefits without the use of any harmful chemicals.

### Non-toxic, planet-safe

Ovoveil is made from natural materials – egg membrane, cotton, and/or rayon. By upcycling industrial egg by-product, one T-shirt made from Ovoveil can help save of over 150 liters of CO2 emissions that would be normally be required to dispose of the eggshells.

# debs

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