

# Responsible Innovation — Ultrafabrics

Ultrafabrics is focused on the future, with people and planet in mind. Suitable for healthy interiors and engineered for tomorrow, these materials incorporate **sustainably conscious** ingredients or processes that inspire creators to dream bigger.



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## Featured Collections —

**Health Care Without Harm's Healthy Interiors V2. Compliant:** Cove | Dwell | Eco Tech | Fusion | Fusion Shimmer | Geom | Helix | Pearlized | Pony | Tottori | Ultraleather | Volar Bio | Wired

**Renewable TENCEL™ Modal fibers included:** Dwell | Eco Tech | Geom | Pearlized | Ultraleather | Ultraleather Pro

**First Biobased Collection, Certified by the USDA BioPreferred Program:** Volar Bio

- Superior durability – industry-leading 14+ weeks hydrolysis results
- Premium, 100% polycarbonate construction withstands harsh cleaners and disinfectants
- Bleach cleanable with 1:5 bleach/water solution
- Volar Bio proudly touts a 29% BioPreferred Program Label
- Select collections meet Health Care Without Harm's Healthy Interiors Criteria V2.3
- SCS Indoor Advantage Gold Certified and REACH compliant
- HPDs for all collections are available

**Future-focused possibilities.**



Responsible  
Innovation

# Responsible Innovation

## Application

Interior Upholstery

## General Specifications

### Composition:

100% Polycarbonate + Biobased Surface\*  
100% Polycarbonate Polyurethane Surface  
100% Reinforced Rayon Backing  
containing TENCEL™ Modal fibers  
65% Polyester, 35% Rayon Backing

### Weight:

Approx. 9.7 - 12.4 oz. Per Square Yard  
Approx. 330 - 420 Grams Per Square Metre

### Thickness:

Approx. 0.95 - 1.15 Millimetres

### Width:

54 Inches / 137 Centimetres

### Repeat:

27.55"V x 16.61"H / 700mm V x 422mm H (Wired)  
4"V x 4"H / 102mm V x 102mm H (Pony)

## Performance

### Abrasion:

ASTM D4157 / 150,000 - 400,000 Double Rubs (Wyzenbeek)\*  
BS EN ISO 12947-2 / 100,000 - 200,000 Rubs (Martindale)\*

\*meets or exceeds

### Hydrolysis:

14+ Weeks  
ASTM D3690 Sect. 6.11 (Hydrolytic Stability)  
ISO 1419 Method C (Accelerated Ageing)

### Biobased Carbon Content:\*

29%  
ASTM D6866-18 (Method B)  
ISO 16620-2; 2015

Adhesion of Coating: ASTM D751

Tear Strength: ASTM D2261

Breaking Strength: ASTM D751

Tensile Strength: BS EN ISO 1421

## Colorfastness

Light: AATCC 16.3, 200 Hours, Grade 4  
ISO 105 B02, Grade 6

Crocking: AATCC 8, Grade 4-5 Wet & Dry

## Flammability Requirements

- ASTM E84 (Adhered) - Class A
- CA TB 117 - Pass
- FMVSS 302 & 95/28 Annex IV - Pass
- NFPA 260 - Class 1
- UFAC - Class 1

These fabrics, when treated and/or used with other compatible furniture components, have been shown to perform under the fire test conditions of:

- ASTM E84 (Unadhered)
- IMO FTPC Part 8
- BS EN 1021 Parts 1 & 2\*\*
- BS 5852 Source 0, 1 & 5 (Cig, Match & Crib 5)

For more information on certifications and standards, sustainability, as well as cleaning and care instructions, please visit our website.

\*Only pertains to Volar Bio

\*\*Excludes Cove, Fusion Shimmer, Helix and Volar Bio



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