

Theory -436 Vanilla



Theory-443 Milk



Theory-435 Wool



Theory-378 Cloud



Theory-194 Lace



Theory-367 Fog



Theory-300 Ivory



Theory-301 Cream



Theory-437 Cashmere



Theory-444 Dove



Theory-305 Smoke



Theory-303 Sandstone



Theory-438 Incense



Theory-441 Latte



Theory-440 Walnut



Theory-439 Chocolate



Theory-447 Salmon



Theory-434 Strawberry



Theory-150 Fawn



Theory-224 Pecan



Theory-449 Raven



Theory-445 Sage



Theory-446 Pacific



Theory-448 Clover



Theory-433 Sunbeam



Theory-442 Prussian

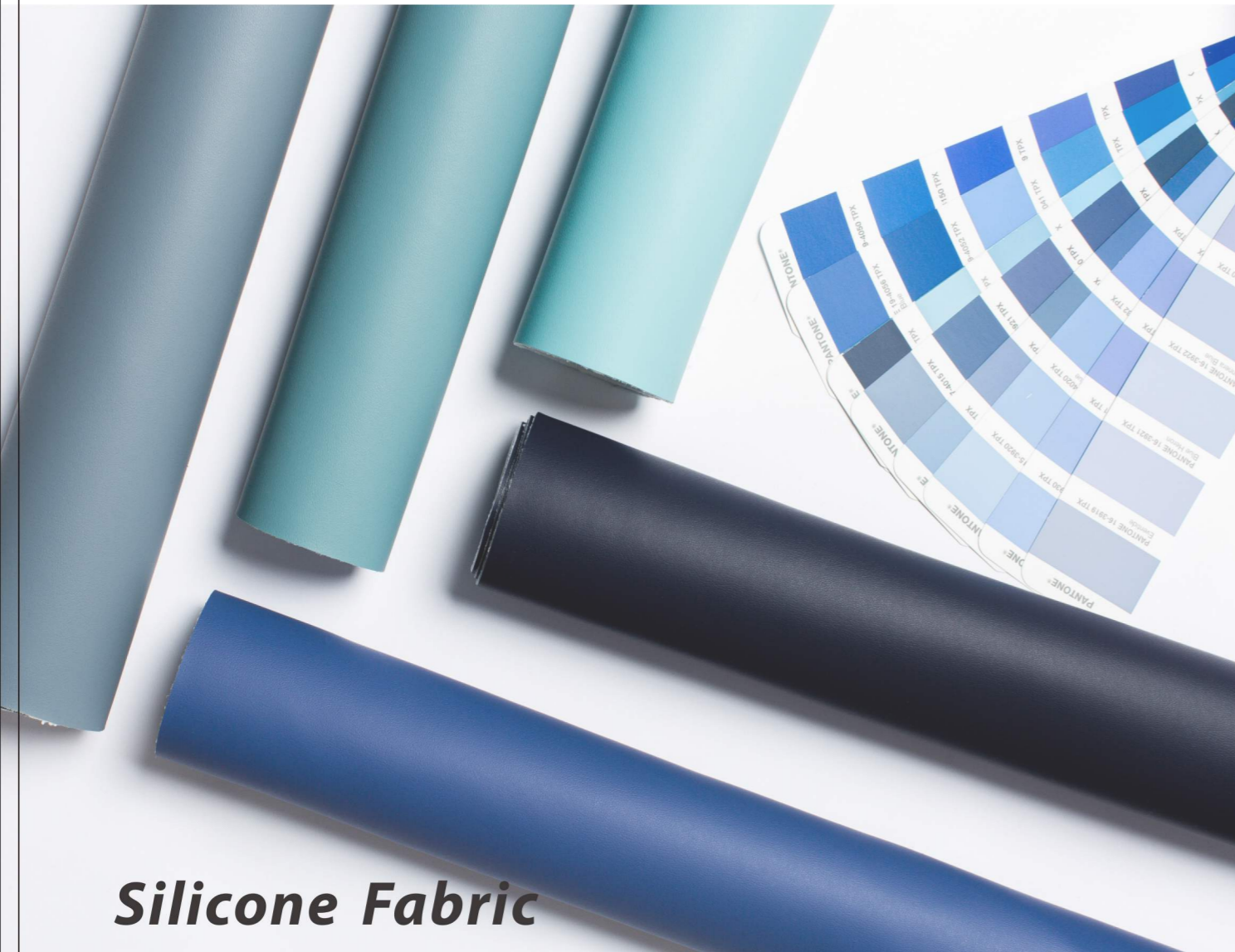


Theory-324 Onyx



# Theory

## TECHNICAL DATA | Theory



**Silicone Fabric**

- Application**  
 Upholstery and General Purpose
- Material Composition**  
 Surface – 100% Silicone  
 Backing – Polyester
- Dimensions**  
 Width: 54 inches  
 Thickness: 0.9-1.0 mm  
 Weight: 28 oz/linear yard
- Sustainability**  
 PU and PVC free  
 Ultra low VOCs  
 Recyclable  
 RoHS 2.0, REACH 175, Prop 65 compliant  
 CAL 01350 compliant  
 Advanced solvent free technology  
 No toxic by-products  
 No formaldehyde, lead, PFC, antimony trioxide, or tris  
 No plasticizers, phthalates, heavy metals, or BPA  
 No harm to air or water  
 Odorless
- Colorfastness**  
 Light Fastness - AATCC16.3,200h, Grade 4.5  
 Crocking - AATCC8, Wet & Dry, Class 5  
 Perspiration - AATCC15, Class 5
- Stain Resistance**

Ink	CFFA-141, Excellent
Ketchup/Mustard/Oil	CFFA-141, Excellent
Coffee	CFFA-141, Excellent
Suntan Lotion	CFFA-141, Excellent
Mascara	CFFA-141, Excellent
Denim	CFFA-141, Excellent
Crayons	CFFA-141, Excellent
- Physical Performance**  
 Wyzenbeek Abrasion, 200,000+ double rubs<sup>1</sup>  
 Martindale Abrasion, 120,000+ cycles  
 UV stability - ASTM D4329-05(QUV), 1500+h  
 Flex resistance - ASTM D2097-91  
 Hydrolysis resistance - ASTM D3690-02, 14+weeks  
 Cold crack resistance - 5# roller, CFFA-06  
 Salt spray resistance - ASTM B117, 1000+h  
 Low-temp flex resistance - ISO17694, -30 °C 200,000+  
<sup>1</sup>Multiple factors affect fabric durability and appearance retention, including end-user application and proper maintenance. Wyzenbeek results above 100,000 double rubs have not been shown to be an indicator of increased lifespan.
- Inherent Flame Resistance**  
 CA TB117-2013  
 FMVSS #302  
 IMO 2010 FTP Code (Part 8)  
 NFPA 260 Class I  
 UFAC Class I  
 BS5852 #0, 1, 5 (crib)  
 EN 1021 Part I and II  
 ASTM E84 (adhered)
- Health Conscious Benefits**  
 Does not promote mold or mildew growth, ASTM G21  
 No anti-bacterial additives, biocides, or flame retardants  
 Biocompatibility passed  
*Healthier Hospitals Initiative (HHI) compliant materials*
- Cleaning & Maintenance**  
 Cleaning code - W/S  
 Bleach cleanable - 10%  
 Use mild soap and water, or detergent for common stains



Sileather® silicone fabrics qualify for these environmental and green building programs: Leed V4, BREEAM, ILFI Living Building Challenge, CA Section 01350, CHPS, US EPA-Federal Purchasing