

Sileather[®]

SILEATHER MARINE

Silicone Fabric



Sileather®



MARINE

High Performance Marine Fabric

“Everything Essential, Nothing Extra”



Sileather® is proud to present its revolutionary silicone leather for the marine market. After years of development, we deliver to you a fabric that is engineered to give you everything you expect in marine and nautical applications. With its high durability, easy maintenance, UV and salt water resistance, and no plasticizers, Sileather® is your best fabric choice for your watercraft.





Durable

Stain Resistant

Weatherproof

Luxury

It’s our mission to bring to you a fabric that’s highly durable, easy to maintain, and excels over traditional marine fabrics. With its unique material performance characteristics, Sileather® silicone fabrics are inherently tough and weatherproof for all interior and exterior applications in watercraft. Our proprietary silicone coating, with the same material structure as wall sealants that last for over 30 years, is engineered into our Sileather® fabrics to endure extreme marine environments with resistance to salt water, humidity, extreme teperature, UV, and abrasion.



No Plasticizers



Weatherproof



UV Resistant



Rain and Salt Water Resistance



Cold Crack Resistance



Outstanding Durability



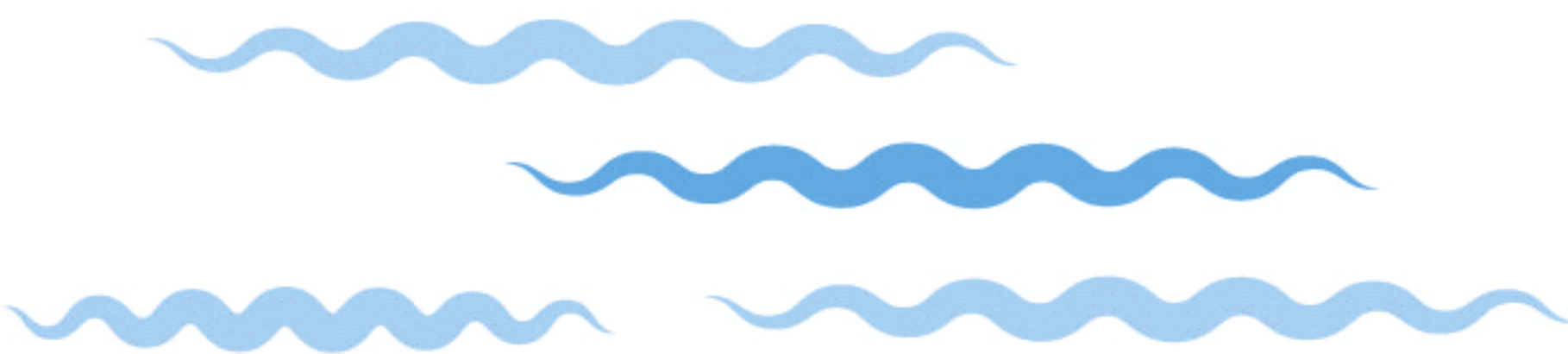
Flame Resistance & Safety



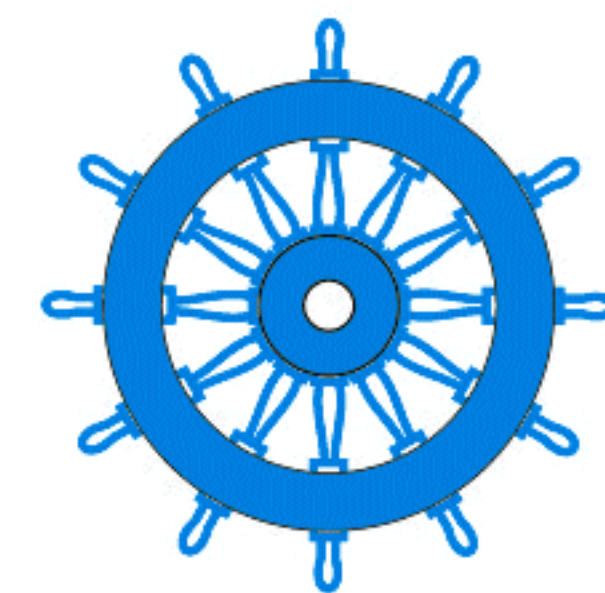
Easy to Clean and Care

Sileather® Marine fabrics are inherently flame resistant due to our unique silicone construction. Our research and development into our patented silicone leather allows us to make a naturally flame resistant fabric without the addition of flame retardants. All of our fabrics meet the requirements of the following standards:

- IMO 2010 FTP Code (Part 8) by LR
- ASTM G21, pass
- QUV Stability, 1500 hours
- Hydrolysis Resistance, 14+ weeks
- Salt Spray Resistance, pass
- Cold Crack Resistance, pass
- Light Fastness, Grade 4.5

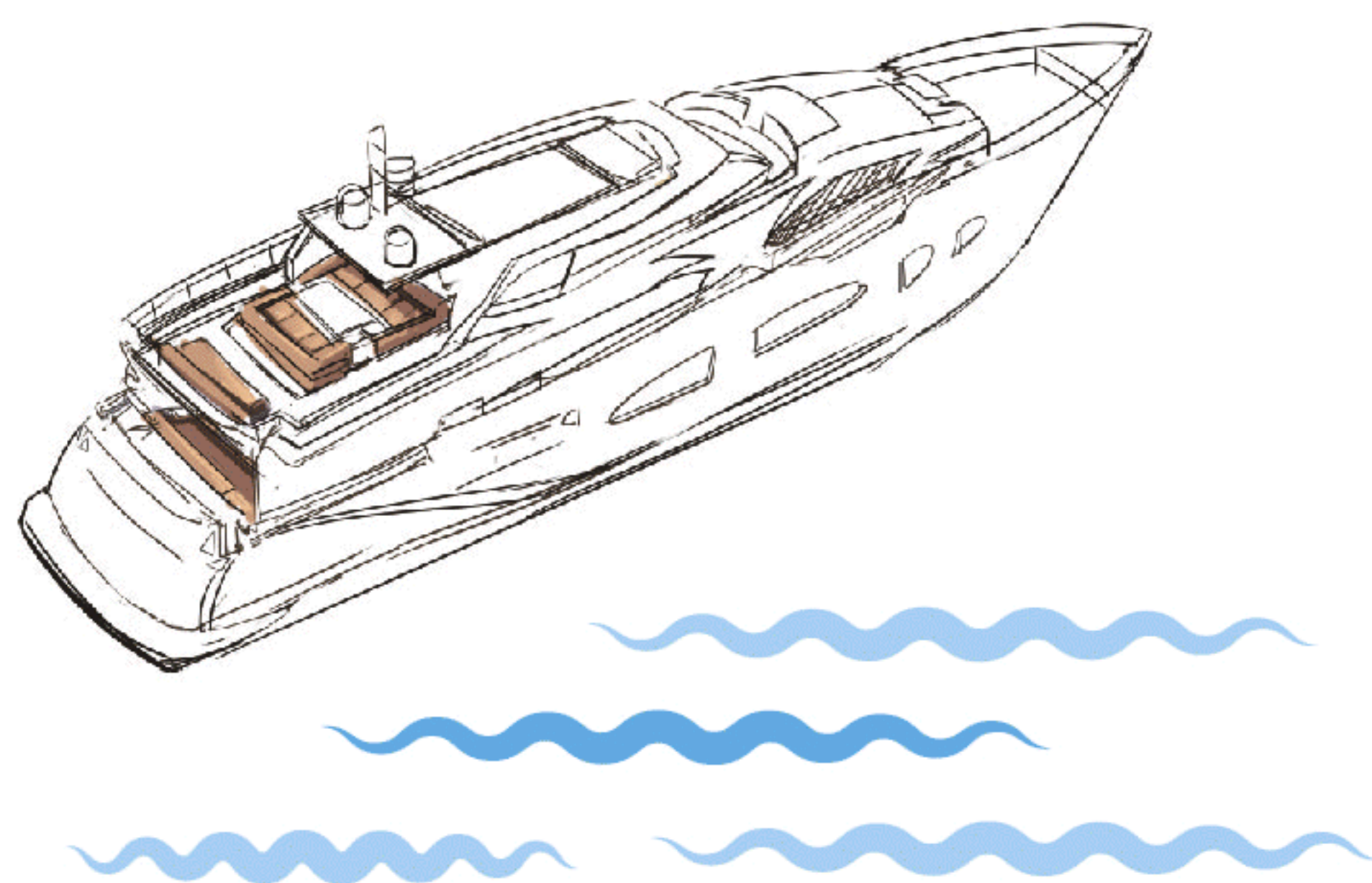


Easy *To Clean And Maintain*



Our silicone leather is designed and engineered to address the growing need for performance fabrics that can withstand the harsh conditions of the sea. We add no extra additives or chemicals.

Sileather® silicone fabrics do not promote the growth of mold, mildew, or bacteria so you don't have to work as hard to keep your fabrics clean and lasting longer. Sileather® silicone leather does not contain PU, PVC, or plasticizers which makes our fabrics always soft, non-cracking, and non-shedding.



Cleaning and maintaining Sileather® silicone fabrics is simple – just wipe away common stains with a cloth and water. Our fabrics are detergent and bleach cleanable, so you can wash off stubborn stains with ease!





Eco Friendly

Environmentally Safe



VS



Sileather

Sileather is created without the use of toxic solvents, chemical additives, or plasticizers, so our fabric is environmentally friendly and doesn't crack or discolor! Our base cloth selection includes recyclable polyester fibers and renewable natural fibers so you can feel better knowing that we are doing our part to create renewable, recyclable, and eco-friendly fabrics. The health and environmental impact is minimal since silicone is safe enough for everyone – it's used in makeup products, contact lens, baking molds, baby bottle nipples, and many more applications!



Marine



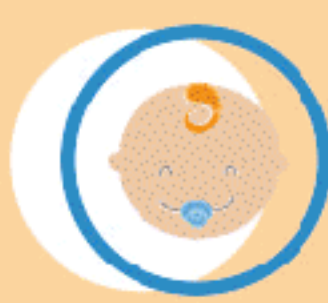
Outdoor



Automotive



Contract



Children

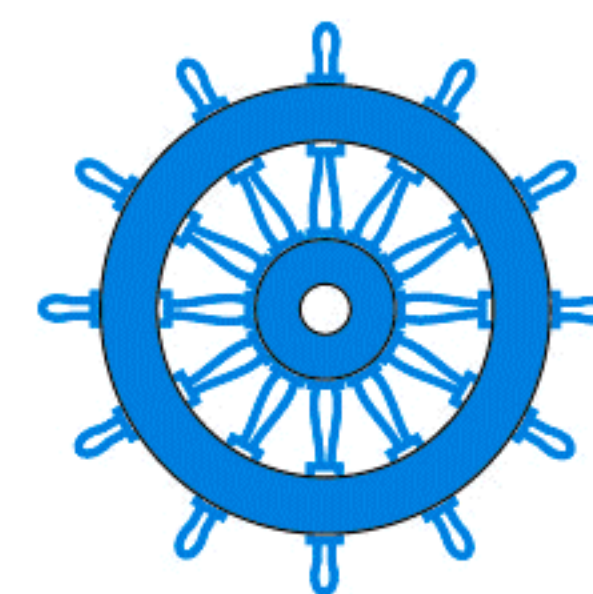


Healthcare



Hospitality

Design *Advantages*



Our silicone leather upholstery fabrics are designed to have a variety of textures and colors. Each of our collections features a unique set of textures to best meet the trends of a particular application. Many of our fabrics mimic the texture of genuine leather, but we have expanded out to include smooth and textured embossing. Sileather's® design advantages include:

- ⚓ Various styles with different patterns, embossing, and textures
- ⚓ Exceptional haptic touch
- ⚓ Customizeable colors
- ⚓ Selections of solid color, two-toned color, and matte or gloss outlook
- ⚓ Stretchiness of the fabrics include non-stretchy, two-way, and four-way directional backings

Sileather®



TECHNICAL DATA

Product

Sileather Marine

Application

Upholstery

Material Composition

Surface - 100% Silicone

Backing - Polyester

Dimensions

Width - 54 inches

Thickness 0.9-1.1mm

Sustainability

PU and PVC free

Ultra low VOCs

Recyclable

RoHS, REACH, Prop 65 compliant

Advanced solvent free technology

No toxic by-products

No formaldehyde

No plasticizers, phthalates, heavy metals, or BPA

No harm to air or water

Inherent Flame Resistance

IMO 2010 FTP Code (Part 8) by LR

Cleaning & Maintenance

Cleaning code - W/S

Bleach cleanable - 10%

Use mild soap and water, or detergent for common stains

Physical Performance

Wyzenbeek abrasion ASTM D4157-13, 200,000+dbl rubs

Martindale abrasion EN ISO 12947-2, 130000+

UV stability ASTM D4329-05, 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 200000+

Colorfastness

Light fastness AATCC16.3,200h, Grade 5

Crocking AATCC8, class 5 wet&dry

Perspiration AATCC15, class 5

Health Conscious Benefits

Does not promote mold or mildew growth, ASTM G21

No anti-bacterial additives, biocides, or flame retardants

Skin friendly and biocompatibility passed

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



Lloyd's
Register

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