

The Lindhurst Group
works in partnership with
these companies:

Sileather UK

A performance fabric made from
100% silicone that is eco-
friendly, sustainable,
weatherproof and biro-resistant.

Portobello Art

A leading manufacturer of quality
artwork, supplying to interior
design companies, hotel, leisure,
healthcare and more, throughout
Europe.

NOROCK

A company that has received the
Red Dot and Good Designs
Award for their self-stabilising
table bases that combats the
problem of uneven floors that is
faced in 9/10 restaurants and
cafés.

Contact Information

The Lindhurst Group

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Sileather's Properties

Sustainable, eco-friendly and recyclable

Sileather is produced in a non-solvent production technique and with a lack of PVC or PU elements, so they are much safer and healthier than traditional fabrics. Unlike PVC fabrics, chlorine isn't used in any of the production process and the fabrics don't leak VOC emissions throughout its life. Sileather has passed the most common environmental standards so you can breathe comfortably around the fabric knowing it is safe. The backing cloth of all Sileather fabrics are made from recycled materials. Sileather fabrics also produce nine times less greenhouse gases in production and disposal than standard vinyl as it uses less water, less raw materials and less electricity to produce. The fabrics themselves are recyclable, so don't go into landfill when they need to be replaced.

Odourless

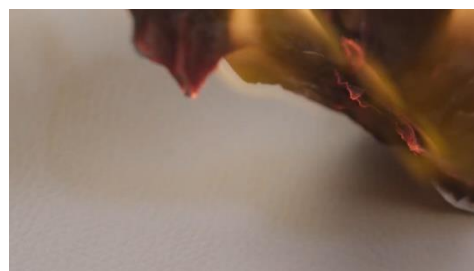
Sileather is made with a solvent-free production process that creates ultra-low volatile organic compounds. In comparison, PVC and polyurethane fabrics may, and often do, contain odours that are caused by plasticizers and other chemicals. As Sileather fabrics don't contain many of these odour causing chemicals, the fabrics are odourless.

Durable and abrasion resistant

Sileather has a tough and stable construction so it resists outside forces, while maintaining a soft touch. All Sileather fabrics are over 200,000+ Wyzenbeek double rubs, over 130,000 Martindale and 3000+ Taber accelerated abrasion, so they are all commercial grade ready and can withstand a lot of wear and tear.

Inherently Flame Resistant

Recent research has showed that the use of chemical flame retardants has caused serious water and environmental pollution and can also be a threat to human health. Sileather fabrics are inherently flame resistant due to the protective nature of silicone. Sileather has passed the FMVSS302, CA TB117-2013, IMO A.652 (16) Part 8, BS5852 #0, BS5852 #1, BS5852 #5 (Crib), NPFA 260 Class I, UFAC Class I, DIN EN 1021 1/II and EN 45545-2.



Inherently Stain Resistant

The silicone coating on the fabric makes Sileather fabrics highly stain resistant, the stain resistance performance is mainly due to its low surface tension. Among all the known organic polymers, the surface tension of silicone is the polymer with the lowest surface tension other than fluorocarbons and fluoro-silicone polymers. The silicone surface tension can be as low as 20 mN/m. According to lab testing, silicone fabrics are strongly resistant to most of the contaminants such as lipstick, coffee, mascara, sunscreen and red wine



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Skin friendly and allergen free

Sileather silicone fabrics are made with the same material as baby bottles nipples, so they are even gentle enough for babies' skin. Sileather has been tested for cytotoxicity and skin irritation in compliance with the US FDA Good Laboratory Practise (GLP) regulation's, as directed in 21 CFR Part 58. Therefore, the fabric does not cause irritation to skin, nor is it harmful if it is put in someone's mouth. Additionally, the fabrics are also antimicrobial, so it prevents the growth of bacteria. This makes it great for kids, hospitals and more.

Clean with Water

All common contaminants such as red wine, lipstick and coffee can be wiped clean with just water. Sileather can also be cleaned with the strongest cleaners, including hydrogen peroxide and alcohol, without going brittle or cracking. Additionally, Sileather is resistant to chlorine, which is used as a base for many disinfectants.

Biro and Denim Bleed Resistant

Biro can be wiped clean from Sileather fabrics after 24 hours and Sileather is resistant to clothing dye.

Alcohol Resistant

Alcohol including red wine and Jägermeister can be wiped clean with just water. Jägermeister and Jager bomb have been tested to be wiped cleaned with just water after 24 hours on the fabric.

UV and Heat Resistant

Sileather has UV stability and resistance to light aging. It doesn't fade in the sun or get hot in the sun which makes it ideal for outdoor use in hot countries.

Weather Resistant

As the molecular structure of silicone mainly has a silica-bonded inorganic main chain, there is no double bond, so its stable chemical properties allow Sileather fabric to withstand extreme environments. It has a resistance to hydrolysis (resistance to humidity and humidity aging). Testing so far has determined that silicone has no hydrolysis issues, unlike polyurethane fabrics which can be affected by water damage over extended periods of times. Sileather is also resistant to salt water, as tested by the salt spray test and chlorine. Furthermore, it is resistant to cold cracking, tested at -40°C, low temperature flexing, at -30°C and mould and mildew.

