

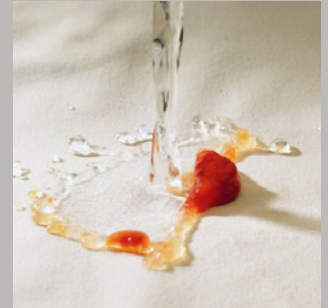
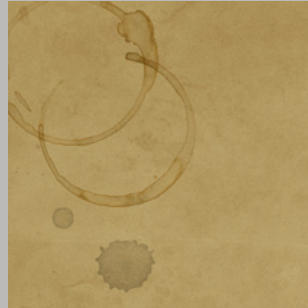
STAIN SHIELD™

& Water Resistance Treatment



Our Stain Shield™ protection NanoSphere technology makes it easier to keep your upholsteries, draperies, and fine fabrics looking fresh and clean, protecting them from soil, stains, and spills. Our processes do not impact the weight, look, feel, or colour of the fabric.

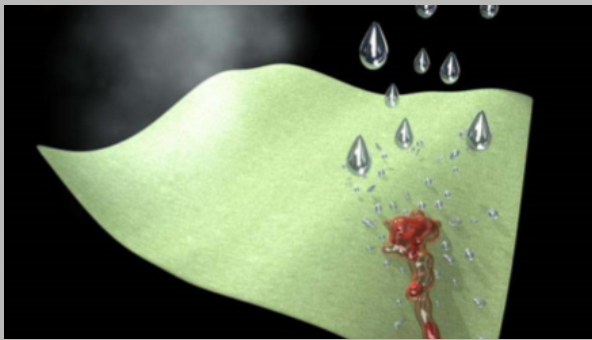
The nanotechnology-based textile impregnation is characterised by a high level of water resistance, a natural self-cleaning effect, and a durable protective function.



Stain Shield NanoSphere

The nanoparticles in the NanoSphere finish forms a fine structure on the textile surface. The peak-like structure only allows water drops or dirt particles to lie on the peaks of the nanoparticles, creating a low contact area.

Water or substances such as oil or sauce simply run off the NanoSphere surface, any residue can easily be rinsed off with a little water.



NanoSphere Advantages

- **High level of water resistance:** Water runs off simply and reliably.
- **Naturally self-cleaning:** Oil, dirt and dust do not adhere to the NanoSphere surface and can be rinsed off with water.
- **Durable protective function** with a very high level of both wet and dry abrasion resistance. After 50 washing cycles the function remains (Fabric softeners not recommended).

Qualities

- Free of FFOS and PFOA.
- Safe anorganic functionised particles.
- Even at the highest applied concentrations NanoSphere technology shows no toxicity.
- Shows no bioavailability and no metabolism.
- NanoSphere (applied on fabrics) show no hydrolysis.

Safety Data

Physical State	Liquid (20°C, 1.013 hPa)
Form	Liquid
Colour	White
Odour	Characteristic
Odour Threshold	Not available
pH Value	3 - 5 (20°C, 50 g/l)
Thermal Decomposition	>100°C Stable up to boiling point
Viscosity (Dynamic)	ca. 10 mPa.s (23°C) Method: ISO 6388
Explosive Properties	Explosive according to EU supply regulations: Not explosive Method: Expert judgement
Oxidising Properties	Type of oxidising effect: Not oxidising Method: Expert judgement

As we do not have control over the future handling of products treated with Flame Shield, no responsibility is accepted in respect of the use and handling. B & R Converters has a responsibility to take reasonable care for our own health and safety, and the health and safety of other, who may be affected by our acts, or omissions.

PHONE: 02 9820 2155 EMAIL: sonia@brdesign.com.au