Nanoman Fabric & Textile

Nanoman Fabric & Textile is an innovative fibre protection product that will protect almost all types of textiles against water, dirt and stains, whilst remaining totally invisible. It can be used on suede and leather as well as wool, cotton, synthetics and silk. It will not affect the materials appearance, its ability to breath, its colour or feel and is easy to use.

Nanoman Textile surrounds every fibre with a matrix network of nanoparticles that are extremely hydrophobic and oleophobic; that this they repel both liquids and contaminants. Liquid spills will either run off or sit on top of the surface and can be easily shaken off or soaked up using a paper towel or similar. The liquids will not soak into the material, eliminating any potential staining.

The solid chemical connection with the material enables an excellent abrasion and washing machine resistance, meaning that when applied to clothing, the effect remains effective for up to 6 months of normal regular washing. On non-washables the effect will remain for up to 2 years.

Examples of use:

- All types of clothing and footwear, especially outdoor wear.
- Indoor upholstery such as sofas, chairs, table cloths and bedding
- Carpets
- Car seats and public transport seating
- Outdoor furniture
- Canvas umbrellas, marquees, awnings and shades
- Convertible car roofs

Product characteristics:

- Extremely hydrophobic and oleophobic (repels water and contaminants)
- Maintains the look, feel and characteristics of the material
- Prevents stains
- Totally invisible
- UV-stable (i.e. will help prevent discolouration due to sunlight)
- Washing agent resistant
- Non allergenic
- Environmentally friendly
Application:

Ensure that surface to be coated is clean, dry and free of any other coatings including cleaning agents prior to application. Shake container well and spray on from a distance of about 15cm until fabric is damp. If spraying on leather or vinyl, use a soft cloth to rub in evenly to avoid spots. If applying to furniture we recommend agitating it in with a soft bristle brush after spraying on. If applying to carpets, we recommend a wet-on-wet application (i.e. two coats) with some gentle (soft bristle brush) agitation to work in the coating between each spray. Touch dry in 60 min, however for best results allow coated material to dry for 24 hours.

For large-scale applications we recommend cloves to be worn and use of standard HVLP systems.

Storage stability:

• Unopened original containers can be stored for at least 2 years in cool conditions.
• Opened containers can be stored for up to 12 months in cool conditions.

Consumption:

• Manual and Industrial: between 60 and 100ml/m² depending on the absorbency of the material. Typical coverage 80 ml/m²

Durability:

The durability of the coating is dependent on several factors including, the type of material or item that it is applied to and the mechanical stress applied to the surface. For items that are washed regularly (eg. once a week), the affect will last for up to 10 washes. For items not subject to washing the affect will last for up to 2 years.

If the performance of the coating starts to deteriorate, another application coating should be applied to re-establish full protection. This will not damage the material in any way.

Advantages of Nanoman:

**Complete Protection** – Liquids cannot penetration the nano barrier, therefore the material remains dry and stain free,

**Biologically safe** – The product is non-allergenic and will not harm the environment

**No change to the haptic of the fibre** – Nanoman Fabric will not change the colour, feel, breathability or any other characteristics of the material. It is completely invisible and offers UV resistance.