

1 Description

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 breathe, its colour or feel.

Nanoman Fabric + Textile surrounds every fibre with a matrix network of nanoparticles that are extremely hydrophobic and oleophobic; that is, 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, it remains effective for up to 6 months of normal regular washing. On non-washables the effect will remain for up to 2 years.

After application Nanoman Fabric + Textile surrounds the surfaces every fibre with an anti-adhesion coating and as a result, dirt cannot adhere to the material and liquid cannot be absorbed into the fabric. Water, coffee and liquid substances are repelled from the fabric.

2 Features and Benefits

- 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

3 Application

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

4 Directions for Use

- Shake container well and spray on from a distance of about 15 cm 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 60-90 min, however for best results allow coated material to dry for 24 hours.
- For large-scale applications we recommend gloves to be worn and use of standard HVLP systems.

01: Ensure the surface is dry, clean, free of any dirt, loose fibres and has not been treated with any other coating. Remove all pre-existing coatings and marks prior to application.

02: Shake bottle prior to application.

03: Spray on evenly over the fabric at a distance of approx. 15cm until the entire surface is damp. If protecting leather use a soft cloth to rub in evenly. If applying to furniture or clothes brush in the coating with a soft bristle brush.

04: Let it dry/cure for 24 hours and it is ready for use.

05: Amount to be applied depends on absorbency of fabric. (Avg. 60 to 80ml m²). Apply one coat only.

06: A bottle of Nanoman Fabric + Textile is usually sufficient to protect 5 pairs of shoes or a large coat or jacket.

07: Do not scrub or allow spills to remain on the coated surface. Remove spills with a paper towel or damp cloth. To remove marks dab fabric with a damp cloth.

Do not rub or scrub fabric.

5 Surface Preparation

Ensure that surface to be coated is clean, dry and free of any other coatings including cleaning agents prior to application.

If Nanoman Fabric +Textile is applied to an article of clothing to be worn, we recommend that the article be washed first and then all traces of washing powder and/or fabric softener be removed by rewashing in water only. For other applications vacuum and clean the fabric or leather surfaces to be coated to ensure loose dirt and fibres are removed, prior to applying Nanoman Fabric + Textile.

6 Coverage

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

7 Cure Time

- Touch dry in 60 min, however for best results allow coated material to dry for 24 hours.
- Allow for 24 hours to pass, before performing any tests

8 Physical Properties

Colour:	Colourless to light yellow
Flash Point:	None
pH:	6-7
Solvent:	Water
Specific gravity:	1.002-1.006
Odour:	Odourless
VOC Content:	Not detected
Coats:	One coat application
Boiling Point:	>97°C

9 Packaging

Nanoman Fabric + Textile is available in the following sizes:

- 5L, 10L, 20L

10 Shelf Life and Storage

- 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.

11 Surface Maintenance

With Nanoman Fabric + Textile, there is no need for additional cleaning or maintenance. Coated surfaces become strongly hydrophobic and oleophobic; therefore, repelling both water and contaminants. Liquid spills will either run off or sit on top of the surface and can easily be soaked up using a paper towel or similar. To completely remove marks, gently dab with a damp cloth. Do not forcefully rub as this may lead to permanent stains. Items such as clothing that are washed regularly will remain washing agent resistant for up to 10 washes or 6 months (depending on material) before a reapplication may be required.

12 Disclaimer

The information, particularly the recommendations relating to the application and end-use of the products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions.

The above information is only offered, as a guide to the use of this product. Users should satisfy themselves that it is suitable for their needs. Since we have no control over the conditions under which it is used, we cannot accept and liability or responsibility for problems caused by the use and/or application of this product.