Application Technique for Nanoman Fabric & Textile

CONGRATULATIONS on taking this 21st century approach in protecting your valuable fabrics and textiles from dirt and stains as well as ensuring that they continue to look their best. Please follow these simple instructions to ensure you maximize the performance of 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 its appearance, its ability to breath, its colour or feel and is easy to use. It is suitable for all types of fabric materials, including clothing and footwear, car seats, household textiles (such as furniture and bedding), carpets, outdoor and adventure gear, awnings and marquees, convertible car roofs and much more...

Preparation:

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.

Application:

- Shake bottle
- Simply spray on from a distance of about 15 cm to provide a complete coverage in order to slightly dampen the fabric/material. If spraying on leather, use a soft cloth to rub in evenly. If applying to furniture, we recommend agitating coating in with a soft bristle brush.
- For application on carpet, we recommend a wet-on-wet application (i.e. two coatings) with some gentle (soft bristle brush) agitation to work in the coating between each spray.
- Consumption will vary depending on the absorbency of the material; however expected usage is between 60 and 80 ml/m².
- Allow to dry for 24 hours at room temperature.

Cleaning/Maintenance of Coated Surface:

With NANOMAN Fabric & Textile, there is no need for additional cleaning or maintenance. Coated surfaces become strongly hydrophobic and oleophobic; that is, they repel 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.

Important:

- Store in a sealed container and keep away from children.
- In the event of eye contact, wash out immediately with water.
- Do not swallow. Seek medical advice if necessary.
- Recommended storage and transport temperature: +3 to +30°C
- Storage life is 2 years in cool conditions.
- For spills DO NOT scrub the fabric, soak up the spill with a paper towel and damp cloth / sponge.

For further advice and to view other products in the NANOMAN range, please visit us at www.nanoman.com.au.
**FAQ’s**

1. **How does Nanoman Fabric and Textile work?**
   Nanoman sealants contain specifically modified functional nanoparticles that self assemble and produce a two-dimensional net matrix on the fibre surface that becomes both hydrophobic (water repellant). Water simply beads and rolls off the coated surface taking dirt and other impurities with it.

2. **What makes Nanoman different from other fabric enhancements?**
   Traditional treatments use chemical coatings to give the textiles performance characteristics. Instead of overwhelming the fabric with a heavy coating, Nanoman products are enhanced through the use of nanotechnology – tiny molecules that permanently attach to fibres without clogging the fabric weave – to add superior performance characteristics without compromising the look, feel or comfort of the fabric.

3. **Will Nanoman harm my surfaces?**
   Definitely not. In fact Nanoman products create a protective barrier that will actually strengthen the fibre surface. This barrier is only 100-150 nanometers thick, which is invisible to the human eye. Nanoman is UV resistant and will not affect the haptic of the fibre.

4. **What is the durability of Nanoman Fabric & Textile?**
   The durability depends on several factors, such as the frequency of use or wear and environmental factors. Items subject to heavy use and cleaning, such as carpets and clothing, will be protected for up to 6 months. Items such as furniture, awnings, marquees and other coverings will generally be protected for up to 2 years. We recommend that you re-apply Nanoman Fabric & Textile, in accordance with these timeframes in order to provide continuous protection.

5. **Is the sealant biologically safe?**
   Nano sealants have been tested by an independent institute and were designated biologically safe, non allergenic and ecologically sound. Nanoman Fabric & Textile is a water-based product that is not harmful your skin.

6. **Is Nanoman Fabric & Textile self-cleaning?**
   Nanoman has an anti adhesion ability, which prevents liquids from getting into the fibres. Contaminants are simply repelled and the cleaning is easier and the costs for cleaning agents will be reduced, however this cannot be considered self cleaning. When used on an outdoor material surface such as a marquee, tent or awning there is some self cleaning effect as rain beads and rolls off the surface taking dirt and contaminants with it.

7. **What are the recommended cleaning instructions for garments protected with Nanoman?**
   Wash the garment as you would any other garment, following the washing instructions provided on the manufacturer’s label. Maximum recommended water temperature for washing is 40° C. Only a little washing powder is needed, because the fibres are not as dirty. Don’t use washing agents or detergents with surfactants as these will reduce the durability of Nanoman Fabric & Textile. Fabric softeners and dry cleaning are not recommended for Nanoman treated fabrics. The chemicals found typically found in dry cleaning solutions contaminate the fabric and can negatively affect performance Nanoman Fabric & Textile.

8. **Do I have to coat textiles on both sides?**
   No. Just coat the exterior surface that you are wishing to protect.

9. **Can I dry coated textiles in a tumble dryer?**
   Yes, tumble dryable textiles can be put into a tumble dryer without damaging the coating.