

NanoQuinn Anti-Stain for Fabric + Textile + Leather

Technical Data Sheet

1 Description

NanoQuinn Fabric + Textile + Leather 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.

NanoQuinn Fabric + Textile + Leather 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 18 months.

After application **NanoQuinn Fabric + Textile + Leather** 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, tea / coffee and other liquid substances are repelled from the fabric.

2 Features and Benefits

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

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3 Application

- All types of clothing and footwear, especially outdoor wear.
- Indoor upholstery such as sofas, chairs, tablecloths and bedding / mattresses
- 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 in well ventilated areas and 36 – 48 hours in closed environments.
- 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.

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04: Let it dry/cure for 24 hours in well ventilated areas and 36 – 48 hours in closed environments and it is ready for use.

05: Amount to be applied depends on absorbency of fabric. Apply one coat only.

06: 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. We recommend the use of the Bio-Intensive Organic Cleaner to remove any kind of stains and for effective cleaning.

If **NanoQuinn Fabric + Textile + Leather** 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 **NanoQuinn Fabric + Textile + Leather**.

6 Coverage

- Manual and Industrial: Approx 100 sq. ft. for absorbent material and 200 sq. ft. for non-absorbent material.
- 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 15 - 20 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.
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7 Cure Time

- Touch dry in 60 min, however for best results allow coated material to dry for 24 hours in well ventilated areas and 36 – 48 hours in closed environments.
- 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 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.
- Optional: Use a cap sealer to extend the shelf life for opened containers.

10 Surface Maintenance

With **NanoQuinn Fabric + Textile + Leather**, there is no need for additional cleaning or maintenance (such as shampooing or using chemical cleaners). Coated surfaces become strongly hydrophobic and oleophobic; therefore, repelling both water and contaminants hence making the surface anti-stain. 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 15 -20 washes or 6 months (depending on material) before a reapplication may be required.

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11 Disclaimer

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. Users should satisfy themselves that it is suitable for their needs. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. As we cannot control or anticipate the conditions under which this product may be used, each user should review the information in the specific context of the planned use. To the maximum extent permitted by law, **Quinn Innovations** will not be responsible for damages of any nature resulting from the use or reliance upon the information contained in this data sheet. No express or implied warranties are given other than those implied mandatory by law.

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