



# **Nano-EcoLine Tex4 series**

**Innovative finishes for functional textiles,  
smooth leather and suede**

## NANO-ECOLINE TEX4

**The Nano-EcoLine Tex4 series offers innovative finishes for functional textiles, smooth leather and suede. Surfaces are recreated or improved at a molecular level with nanotechnology boosters. By combining increasingly sophisticated materials with proven basic technologies, intelligent hybrid systems are created that set new standards in their markets.**

Nano-EcoLine Tex 4 is a water-based spray-on product for generating water, dirt- and oil-repellent effects. It is particularly suitable for the consumer and retail sectors due to its ease of use.

Nano-EcoLine Tex 4 delivers outstanding protection for particularly absorbent textile substrates. Primary applications include absorbent upholstery/furniture, as well as suede/Alcantara leather. Most standard textiles, carpets and curtains can also be treated as long as they are free of surface-active substances (silicon/surfactants).

The product is Ökotex certified (ECO Passport), UV stable and non-migratory. Through the intelligent arrangement of hybrid (organic and inorganic) structures.



### Application:

The liquid is applied to the surface using standard pump spray systems. If the substrate does not instantly absorb, roller application is advised to ensure uniform wetting.

The coating is fully cured after 24 hours.

Foulard/padding application is also possible. The wash stability can be increased in this process with Nanoflex WX (crosslinker).

Materials must be free of anionic, surfactant residues. Silicones or surfactants impair performance and adhesion. We would be happy to offer technical support for precleaning.

The product is water-based and a non-hazardous material according to ADR and IATA.

It can also be shipped as a liquid concentrate. Please observe the safety data sheet when handling Nano-EcoLine Tex 4.





## SPECIFICATIONS

Chemical basis:	modified silicon dioxide
Layer thickness:	approx. 100 - 150 nm
Water resistance:	between 130° and 150° (20µl)
Oil resistance:	between 120° and 130° (20µl)
Slip angle:	not applicable
Temperature stability:	250°C permanent, 450°C peak
Chemical stability:	between pH 1 and pH 13
Weather resistance:	3500h pursuant to ISO 11507 A
Wash stability:	10-40 washes LTD according to (AATCC) Test Method 135, ECE formulation washing powder, non-phosphate reference
Salt water resistant:	yes
Transparency:	100%
Storage stability:	2 years
Temperature sensitivity:	1°C to 30°C
Consumption:	80 - 150 ml/m <sup>2</sup>



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