

NANO-X Information

Principle:

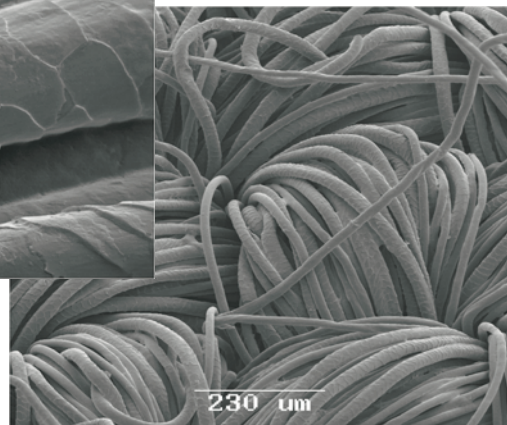
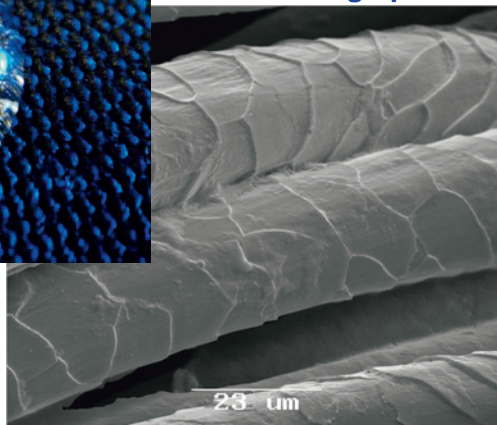
The x-clean® EC 5000 series are impregnation materials for synthetic fibres and leather based on transparent inorganic-organic composites with hydrophobic sidechains in nano-meter dimension. A transparent film around the fibre leads to a better durability against discolouring substances.

x-clean® EC 5000 Series



Oil drop on a nano-impregnated fibre

- Oil, water and dirt repellency
- Easy-to-Clean properties
- Good mechanical resistant
- Application by Foulard or spray coating and heat curing up to 160°C



Surface of impregnated fabrics

Product properties:

- Significant reduction of water and oil penetration (water and oil repellency)
- Good resistance against oily, fatty and water based stains and coloured substances (ink, coffee, red wine, etc)
- No change to the fabrics texture and grip
- Good permanence after washing and dry cleaning
- Vapour permeable
- Reduced material consumption

Fields of application:

- Technical textiles (tapes, filter, etc.)
- Synthetic fibres
- Flat and knitted fabrics
- Leather and imitation leather

Custom optimised solutions are available!

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