

nanoproofed®

NANOTECHNISCHE VERSIEGELUNGEN

Produktinfo



*Nano Size
In properties*



10^9



WHAT IS NANOTECHNOLOGY?

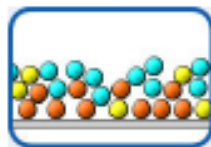
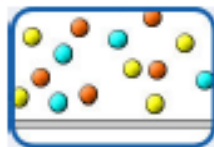
„Nano“ comes from the Greek and Latin and means „dwarf“. The expression among other things is used for the abbreviation of billionth. For example within the metric system of units it is defined as the billionth of a meter = 1 nanometer (1mm / 10^{-9} m) respectively as the millionth part of a millimetre.

The nanotechnology is mainly based on the super molecular chemistry, which deals with the synthesis and the molecular handling of complex, high-molecular aggregates. One expects the nanotechnology to be of useful application among other things in the robotics, sensor technology, process engineering, biotechnology and medicine. The nanotechnology deals with microscopically small structures. Experts call it the “key technology” of the 21st Century, which will have a lasting effect on our daily life.

Object of the nanotechnology is the calculated set-up of miniature structure units and particles out of the modular of the periodic system of elements in order to manufacture materials with new characteristics, minute machines and entire systems.

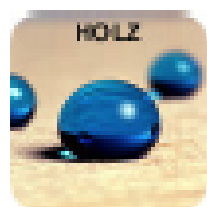
The nanotechnology permits completely new applications possibilities, which for example modify revolutionary the characteristics of treated materials/surfaces.

HOW DO NANOTECHNOLOGICAL PRODUCTS ACT?



The nanotechnological surface sealing consists among other things of particles combining fix with the substrate and of other components, which give the coating its hardness. During application these particles arrange themselves independently. The binding components wander to the substrate, the anti-sticking components orientate to the air. This kind of “self-organisation” produces an ultra thin glassy coating with multifunctional characteristics. Our Nano-Products have been developed specifically for the daily demand and the industry.

Nanotechnologically sealed surfaces in any field within and around the household reduce the cleaning effort considerably, consuming less detergents.



SURFACE COATING GLASS & CERAMIC



The glass and ceramic sealing is based on the chemical Nanotechnology, protects substrate material against pollution and repels water and oil. Chalk can't deposit so easily. It protects pool deep against absorption of dirt due to the repellent effect on the surface. In case the repellent effect ceases, it can be re-established by reworking the surface (recommended once a year). The pore surface of the objects is sealed antistatic and water repellent, so that far less dirt can stick to the surface of the objects.

SURFACE COATING CHROME & HIGH-GRADE STEEL



The chrome-premium steel-sealing is a fluid nano-composite-compound, which produces an Easy-to-Clean-Effect on the surface of metal, chrome and high-grade steel. The material builds a thin film of only few nanometers on the surface, reducing the adherence of dirt and of foreign substances (for example fingerprints) and water or oil repel. Especially coated surfaces are easy to clean

SURFACE COATING STONE & WOOD



The stone and wood sealing is a watery inorganic-organic coating material based on the chemical Nanotechnology. The surface due to the self-organising anti-sticking components builds an invisible film with dirt-repellent, hydrophobic (water repellent) and oleophobic (oil repellent) characteristics. It protects substrate material against soakage, so that it can breathe and prevents as far as possible that the treated surface absorbs water, swells or decomposes. In case of a ceasing of the repellent effect it can be re-established by means of reworking the surface. The stone & wood sealing is versatile for porous, sucking substrates and provides a preventing protection against pollution and adherence.

SURFACE COATING TEXTILES



The leather and textile sealing is an intelligent anti-sticking coating for textiles. This innovative fibre protection of the nanotechnological area protects your clothes against water, dirt and spots – and remains invisible. It doesn't affect in any way their appearance, respiration activity, colour and feel. The sealing can be applied on any kind of material – from the finest silk up to durable cotton; on suits, jackets, shirts, trousers, ties, tracksuits and even on cellular Adventure-Wear.

SURFACE COATING PLASTIC



The plastic sealing is a temporarily solvent based system which shows on plastic surfaces (polyester, PMMA, PC) an Easy-to-Clean-Effect. Exhausted material builds on the surfaces a thin film which reduces the sticking of dirt and of foreign substances and has a water repellent effect. Sealed surfaces are far easier to clean.

SURFACE COATING PAINT & RIM



The paint and rim sealing is a semi-permanent solvent based system on the basis of the chemical nanotechnology for the care of metal, paint and plastic surfaces. The lacquer and rim sealing gives surfaces water-, oil- and dirt repellent characteristics, so that they are far easier to clean.

SURFACE COATING 2K NANO PAINT

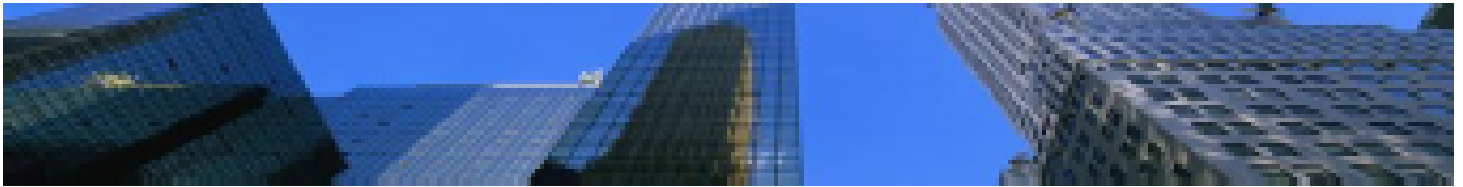


The 2K Nano paint gives surfaces a permanent protection. Light metals and high-grade steel can be protected against corrosion. Chalked, dull and blushed plastic are regenerated and obtains new brilliance. Apart from that the paint offers a very high UV-protection, anti-graffiti-characteristics. It is seawater and salty water resistant, protects against sour rain, is extremely abrasion, impact and scratch resistant and reduces due to the water repellency the dirt pick-up.

SURFACE COATING 1 K INDUSTRIAL PAINT



The 1 K industrial paint is a backing finish and gives the surfaces a permanent protection. Light metals and high-grade steel can be protected against corrosion. The paint disposes of a very high UV protection, is above-average abrasion, impact and scratch resistant, extremely flexible under mechanical stress. It has a high acid and alkali resistance and due to the water repellency it reduces visibly the adherence of dirt.



EXPERT ADVICE WITH CONCEPT

Nanoproofed with headquarters in Süsel / OT Gothendorf is a commercial enterprise for nanotechnical surface sealing and is one of the leading companies in Germany.

Expert advice for industrial and business customers in regard to sealing and integration into the manufacturing process, as well as production development according to the individual needs is part of our power spectrum.

We offer wholesalers and retailers as well as end users a comprehensive consultation and a large range of products for the sealing of any surface.

