



Clean and protect with NOVOTEC[®] CB800

- The performance additive for detergents and cleaning agents
- Efficient, economical, skin and environmentally friendly

Proteins with added value from GELITA

Proteins are a key performance factor in complex biological systems such as the human body, where they lubricate joints, stabilize bones, and protect the skin. GELITA has transferred this protein know-how to add value to diverse industrial applications. In these complex industrial applications, these novel proteins marry health and environmental friendliness to exceptional industrial benefits – offering significant added value compared to conventional solutions.

! Experience the NOVOTEC® effect!

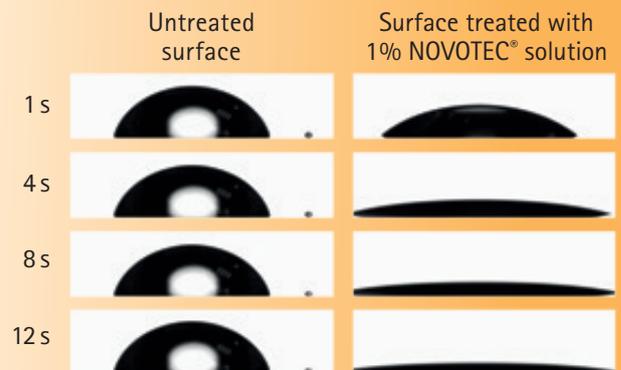
NOVOTEC® proteins attach themselves to the most varied of surfaces. On these surfaces, the proteins combine to form stable, resistant hydrating layer. As water hits the layer surface, the proteins attract the water molecules and a closed hydrophilic protective layer results. In practice, this protects surfaces and also improves separating, lubricating and cooling production steps. NOVOTEC® protein solutions simplify, accelerate or optimize processes, improve quality, reduce costs and promote high environmental and health compatibility.

The NOVOTEC® benefits

- Process, quality, time and cost advantages in technical applications
- Sustainable natural product that is biodegradable and both environmental and operator friendly
- Clean label

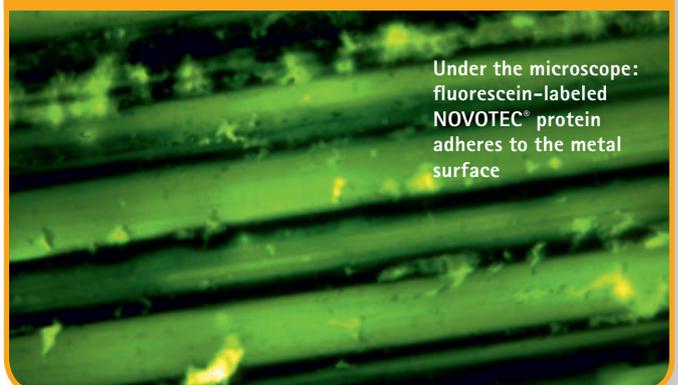


The NOVOTEC® effect: NOVOTEC® proteins attract water.



Wetting behavior of a water droplet on a steel surface (cross sectional view).

NOVOTEC® forms protective hydrophilic layer.



Under the microscope: fluorescein-labeled NOVOTEC® protein adheres to the metal surface

NOVOTEC® CB800 optimizes detergents and cleaning agents

Detergents and cleaners that allow for easier cleaning, protect surfaces from re-soiling and which are sustainable, environmentally and operator friendly at the same time – with NOVOTEC® CB800 from GELITA, this vision becomes reality. The innovative protein-based liquid concentrate provides conventional cleaning systems with an easy-to-clean effect.

Clean and protect more efficiently with the NOVOTEC® effect

NOVOTEC® CB800 consists of natural, polyfunctional protein molecules and was specifically designed to adhere to surfaces such as steel, glass and aluminum. There they form protective layers of hydrated protein chains that facilitate the removal of dirt by increasing the water attraction on the surface.

Conventional cleaning agents often use silicates to protect surfaces. Other solutions rely on water-repellent substances such as wax to prevent renewed soiling. Both versions produce residues that hamper the removal of water-insoluble dirt.

Developed and tested on state-of-the-art equipment in GELITA's laboratories

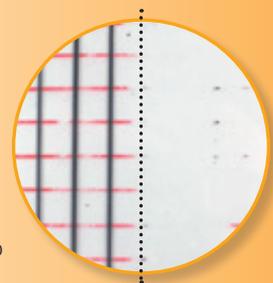


Easy-to-clean effect on contact with water

Example: Glass soiled with permanent marker, afterwards washed with pure water

Left: Pre-cleaned with commercially available glass cleaner without NOVOTEC® CB800

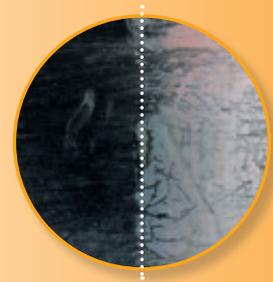
Right: Pre-cleaned with the same glass cleaner with 2.5% NOVOTEC® CB800 added



Example: Sheet steel soiled with carbon black and olive oil, burned in at 90°C for 15 min, afterwards washed with pure water

Left: sheet steel untreated

Right: sheet steel pretreated with 5% NOVOTEC® CB800



By contrast, the protein layers of NOVOTEC® CB800 attract water. Dirt „floats” on the protective layer and is simply washed away when it comes into contact with water (easy-to-clean). The result is clean surfaces that can be washed more easily. New dirt fails to penetrate to the surface and can instead easily be wiped from the protective protein layer.

Naturally health-friendly

NOVOTEC® CB800 is made of natural collagen. This innovation by GELITA not only enables perfect cleaning results without aggressive chemicals, but also helps to significantly improve the skin and environmental friendliness of detergents and cleaning agents.

! Clean and protect with the NOVOTEC® effect

The main benefits of NOVOTEC® CB800:

- Simpler subsequent cleaning of surfaces (easy-to-clean effect)
- Hydrophilic surface protection
- Supports effective cleaning even at mild pH values
- Easier removal of biofilms
- Skin-friendly alternative to conventional products
- Greatly reduced risk of allergies
- Natural bio-polymer



NOVOTEC®
the smart solution



- Time and cost benefits
- Operator friendly
- Sustainability and environmental friendliness

Invisible protection



Effective cleaning



Sustainably brilliant results



NOVOTEC® CB800
The performance additive for
detergents and cleaning agents



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