



Your partner for
electroplating and surface coating



About us

Special coatings offering full protection

NOVOPLASTIK develops and distributes special coatings. These include thermoplastic coatings for niche applications, thermoset coatings to protect against chemical, mechanical and thermal stress, dispersions and emulsions, as well as adhesive primer.

Coatings customised to customer requirements

Our focus is on finding a custom solution for our customers. Through intensive customer contact we develop top-quality custom products with maximum durability. They fully meet all technical requirements, in accordance with legal and official regulations.

- ✓ Corrosion protection coatings: Stoving paints, 2K epoxy coatings
- ✓ PVC dip coatings for plating racks
- ✓ Special thermoplastic powders and primers
- ✓ Energy-efficient masonry coatings for building exterior, roofing, and interior applications
- ✓ Special products such as PVC spray coatings, textile, tool handle, and glass coatings



Cooperations

Long standing local cooperation:



We have continuously been working closely with Colortec GmbH. Our job is to develop products, Colortec undertakes top-quality production in close proximity to us.

www.colortec.biz



Long-term partner. Specialist in surface coating and powder coating.

www.betec.net



We have been working with Fraunhofer Umsicht in Oberhausen, the Institute for Environmental, Safety, and Energy Technology, for years.

www.umsicht.fraunhofer.de

Certification

Consistently top and proven quality



NOVOPLASTIK has been a DIN EN ISO 9001 certified company since 2004.



NOVOPLASTIK has been a CrefoZert certified company since 2017.

Industries

Solutions for a wide variety of industrie



Diversity, wealth of ideas and high-quality which comply with standards.

Coating systems used in many industries worldwide

We actively work for any company seeking special coating solutions. These include amongst others the following industries:

- ✓ Plastic and metal electroplating
- ✓ Tool industry
- ✓ Refineries
- ✓ Chemical companies
- ✓ Wire coating industry

Innovative product development at the highest level

Where solutions are created

Custom solutions and new ways

NOVOPLASTIK Laboratory

The laboratory is the heart of our company. We are very proud of our outstanding equipment. This allows our dedicated and experienced employees to be extremely efficient when developing new products.

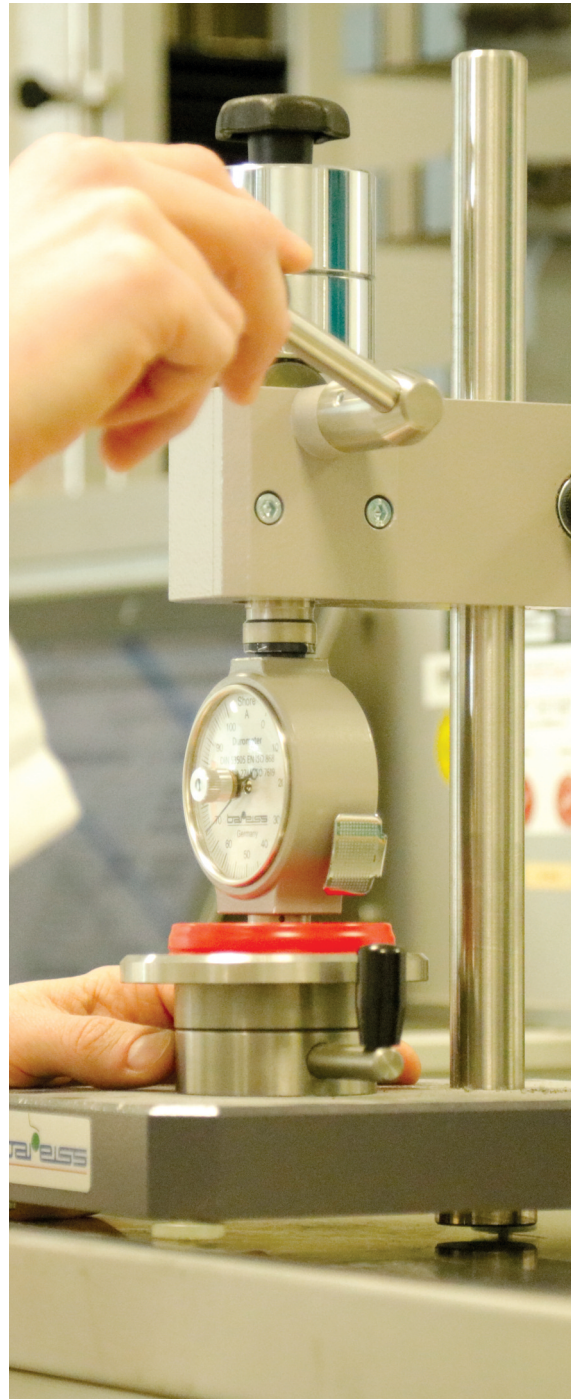
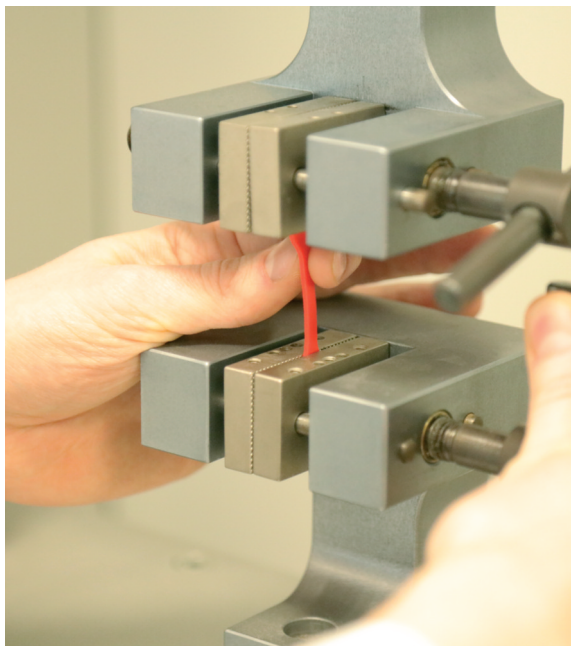
Customised Innovations

We offer custom products which provide our customers with a unique selling point. This allows for securing an economic edge on the market and setting themselves apart from the competition in terms of innovation.

We are continuously optimising

We continuously review our existing products and adapt them to the latest findings and technology. Since we focus on custom products we work closely with our customers to provide the best application technology consultation and development.





Quality/QM

Maximum customer satisfaction
In harmony with nature and the environment

High test standards throughout the life cycle

NOVOPLASTIK is certified according to [DIN EN ISO 9001](#). Our know-how is based on the ability to develop highly customised solutions our customers can fully rely on. Customer satisfaction and a high test standard are therefore our top priority.

We are committed to diligently implementing **REACH regulations**. The life span of a material is always considered including the complete value chain.

Additionally, all of our products are [free from DOP/DEHP, mercury, lead, and tin](#). The environment and health are a top priority. Complying with safety standards, substituting hazardous substances, and using aqueous systems in place of conventional flammable coatings containing solvents, are a matter of course to us. We continuously pursue measures which minimise the labeling and safety risks for people and the environment.

Electroplating

Electroplating use

Strong protection and low emission

Durable surfaces, even under extreme conditions

Our easy to use, eco-friendly products are primarily used in electroplating. They protect against high mechanical, chemical, and electrochemical stress, specifically for plating racks, but also for grates, pipe clamps, loading hooks, rollers, and various other metal parts.

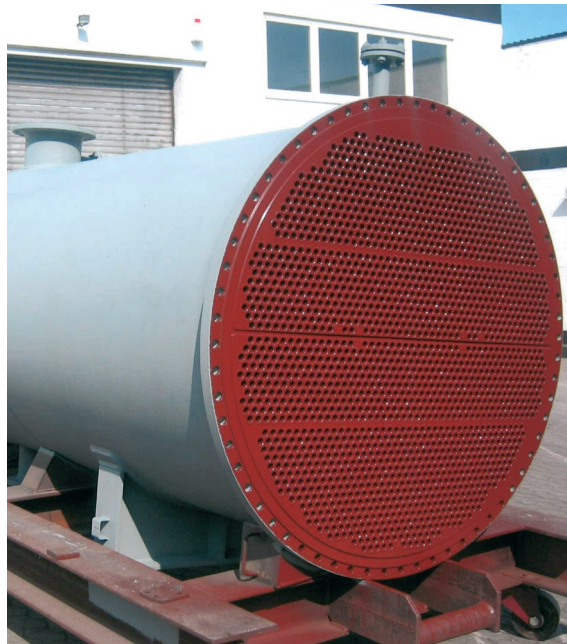
Our **NOVOPLAST** dip coatings are resistant to most acids, alkalines, saline solutions, degreasers, and detergents.



Chemical / thermal system protection

Wherever stress is particularly high - thermal curing products are helpful for various applications

Our product range includes thermal curing products: **NOVOTHERM** stoving paints, and the cold-setting systems **NOVOXID** as well as **NOVONYL**. These coatings protect against chemical, thermal, and mechanical stress. They are used in the chemical industry, refineries, as well as road and rail transport.



Tool coating

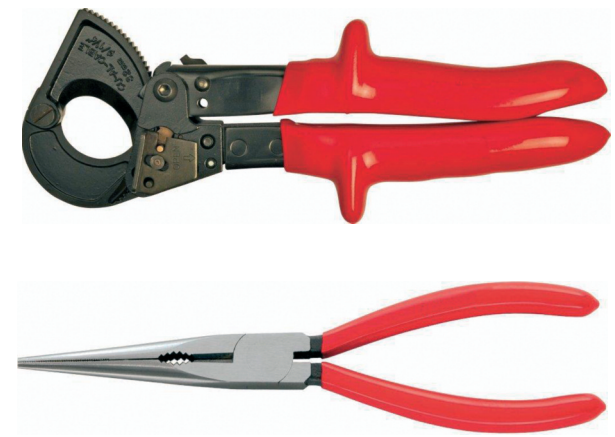
Non-slip, safe tool with a long life

Tool protection and insulation
Hot-dip coating for metals

A tool coating improves handling and provides electrical insulation. The PVC plastisols are used for hot-dip coating metals, e.g.:

- ✓ Metal grips
- ✓ Lifting gear
- ✓ Hand wheels
- ✓ Pipe clamps
- ✓ Loading hooks
- ✓ Piping, etc.

The coating is resilient, abrasion-resistant, impact resistant, and highly resistant against most acids, alkalines, saline solutions, degreasers, and detergents, and further offers good electrical insulating properties.



Glass and fabric coating

Dip coatings for coating glass and fabric

Safe glass, smooth surfaces, dry and resilient fabric

We make glass safe

Crystal clear **NOVOPLAST** dip coatings are used to protect against shattering, breakage, and chemicals on glass bottles, and as implosion protection on desiccators. These coatings feature high transparency with a very smooth, dry surface. Among other things they prevent individual bottles from sticking together on a conveyor belt.

Best bond to the fabric

Our **NOVOPLAST** roller pastes protect against moisture with a good non-slip effect. They're used for lining boots and in the shoe industry, as conveyor belt coating, and as a non-slip backing for various fabrics such as socks, mattresses, mouse pads, etc.

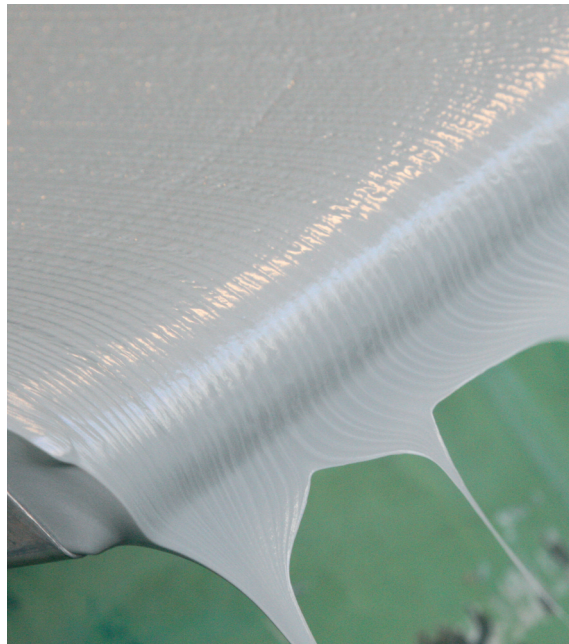
NOVOPLAST roller pastes are highly viscous PVC-based plastisols for coating fabrics by roller or squeegee. The coatings feature an excellent bond with the carrier material without seeping through to the reverse, and outstanding migration properties. The ready to use products are low-fogging and flame-retardant.

Niche applications

Special developments for niches

We develop a fitting solution for any application

Since we are customer-oriented we develop custom products for special applications. These include, for example, special products such as polyethylene powder, PVC foam plastisols, repair kits, touch-up paint, cleaning pastes, and PVC paint strippers.



Coating technology

Surface coating systems

NOVOPLASTIK-coatings

Our insulating and corrosion protection coatings are primarily applied by air spray. Some of the coatings are also applied by flow coating, rolling and brushing. Special applications are possible using the airless method or tube lining.

Our thermoplastic products are processed by dip-coating, roller and squeegee, or spray applications.



PVC products

Systems for frequent use in plating rack, tool, glass and textile coating

Plating rack coatings
NOVOPLAST dip coatings

Product group profile:

Our **NOVOPLAST** dip coatings are PVC-based plastisols for hot-dip galvanising metals. They offer easy, drip-free application.

Application:

Coating plating racks (particularly with thin contacts), grating, pipe clamps, loading hooks, rollers, and other metal parts to protect against strong mechanical and chemical stress.

Properties:

NOVOPLAST dip coatings are resistant against most acids, bases, saline solutions, degreasers, and detergents.

NOVOPLAST dip coating 6500 HT blue (low-emission)

Product profile:

This dip coating is a PVC-based thermoplastic coating for hot-dip galvanising metals.

Application:

The material is particularly suited for electroplating plastics, which demands high thermal endurance and resistance during electrochemical electroplating processes. The significantly longer life of the plating racks makes these particularly economical.

Properties:

The product is a raw material innovation. It was specifically developed by considering labeling and handling of the finished products.

For us, one important aspect was to substitute potentially hazardous substances and minimise the health risks associated with these. This resulted in a synergism paired with top product quality and ecological and economic advantages.

By focusing development on extending the life of the coating and being suitable for the planned chromium VI-free electroplating, we therefore created a future-proof solution.



Tool Coatings

NOVOPLAST dip coating 3400/3410/3421 – series

Product group profile:

Our 3400 series NOVOPLAST dip coatings are diverse PVC-based plastisols developed specifically for coating various tools.

Application:

High quality coating for metal grips, pliers, keys, screw-drivers, garden shears, branch cutters, lifting gear, hand wheels, pipe clamps, loading hooks, etc.

Properties:

The products are low-pollutant, highly durable, and electrically insulating. They are available in a wide variety of colours from high gloss to matt, with variable texture and hardness, compact or as foam.

Foam plastisol

NOVOPLAST foam plastisol

Product group profile:

Our NOVOPLAST foam plastisols are PVC coatings with a fine-pored foam structure.

Application:

Hot-dip coating clothes hangers, tools, wheelchair wheels, and to produce cover seals.

Properties:

NOVOPLAST foam plastisol feature matt, dry surfaces. The foam texture allows for economical application of thicker layers.



Adhesive primers

Product group profile:

Our **NOVOPRIM** adhesive primers are quick drying bonding agents for PVC dip coatings. They prevent disbonding and the PVC coating peeling under chemical and mechanical stress.

NOVOPRIM 27/130/131
solvent-free, water-dilutable

Application:

As an adhesive primer, wherever **NOVOPLAST** PVC coatings are used, e.g. all types of tools, plating racks, garden fences, etc.

Properties:

Outstanding adhesion to metal surfaces, e.g. iron, stainless steel, aluminium, titanium, brass, and galvanised surfaces. They ensure lasting protection of coated objects against rust, UV rays, and weathering.

NOVOPRIM 110
solvent-based

Application:

As an adhesive primer for extreme chemical and mechanical stress. Brush on, dip-coat or spray application.

Properties:

Outstanding adhesion to metal surfaces, e.g. iron, stainless steel, aluminium, titanium, brass, and galvanised metals.

Specialty products

NOVOSINT PE-powder

Product group profile:

Our **NOVOSINT** PE-powders are special polyethylene-based self-adhesive thermoplastic powders which can be applied via fluidised bed method or even electrostatically.

Application:

Coating wire fences, glass, automotive parts, automotive accessories, steel structures, and various other metal parts for outdoor use. They can be processed via fluidised bed method or powder-coating systems.

Properties:

NOVOSINT PE-powder are extreme resilient, high gloss, offering excellent corrosion protection, and outstanding weather resistance.



Thermo-ceramic coatings
NOVOBRAN Inside/Outside/Basic

Product group profile:

Our energy-efficient **NOVOBRAN** coating systems are suitable for mineral substrates for indoor and outdoor applications.

Application:

Coating house fronts, factory buildings, and interior spaces. **NOVOBRAN** systems are primarily used in rooms without air conditioning, in very humid areas for dehumidification, and to prevent and reduce mould.

Properties:

White base color, ready to use. Tintable with conventional paint concentrates.

Easy to apply using a brush, roller, or airless spraying

- ✓ Very low VOC (eco-friendly)
- ✓ Inflammable (Fire class A2)
- ✓ Abrasion-resistant when wet
- ✓ Water-repellent and easy to clean
- ✓ Temperature and moisture regulating properties
- ✓ Excellent insulation
- ✓ Permeable
- ✓ Reduces mould growth

Insulation and corrosion protection

Durable surfaces for many applications

2K epoxy systems NOVOXID 60/80/TL

Product group profile:

Our **NOVOXID** systems are very smooth, high gloss 2K epoxy resin coatings.

Application:

Coating silos, storage tanks, condensers, filter panels, piping, and all types of apparatuses.

Properties:

They are resistant to aggressive mediums, particularly in the slightly acidic to alkaline range. The coatings can withstand continuous stress at up to +80°C dry or up to +60°C moist. They can also temporarily withstand thermal stress of up to +100°C.



Storing stoving paint systems

NOVOTHERM stoving paints

Product group profile:

Our **NOVOTHERM** stoving paints are non-porous, abrasion-proof, and smooth protective coatings which have high chemical resistance to aggressive mediums, both in cold and warm areas. They prevent corrosion and incrustation, particularly in equipment carrying water such as piping, heat exchangers, or condensers.

NOVOTHERM 120/130H/140

Application:

Coating piping, tanks, and all types of apparatuses subjected to higher temperatures, pressurised, and chemical stress.

Properties:

Resistant to organic and inorganic acids, acidic hydrolysing salts in aqueous solution up to 20% at pH levels <6, and resistant to solvents and water.

NOVOTHERM 210/250

Application:

Coating metal vessels, all types of apparatuses, piping, fittings, heat exchangers, and filters.

Properties:

Particularly resistant in the alkaline range, including ammonia, pH 3-14; good corrosion protection at higher temperatures, excellent resistance to radioactive irradiation.

Vinyl ester systems

NOVONYL anthracite/pearl white/910 DVP

Product group profile:

Our **NOVONYL** systems feature outstanding chemical resistance, particularly at high temperatures, combined with very high corrosion protection.

Application:

Coating flue gas ducts, washing towers, process vessels, storage tanks, and containers.

Properties:

These coatings with inert mineral flakes are vinyl ester based. They have a high temperature-resistance. They also have excellent barrier properties against aggressive mediums such as acids and bases (pH 1-12), solvents, saline solutions, flue gases, and all types of water.





NOVOPLASTIK

Novoplastik Produktions- und Vertriebs- GmbH
Gleisstrasse 6
68766 Hockenheim

Telefon: +49 (0) 6205/18966-0
Telefax: +49 (0) 6205/18966-119

E-Mail: info@novoplastik.de
Web: www.novoplastik.de

