Brillux Industrial Coatings.
Our know-how ensures your success.
Solutions generating added value
Typically Brillux: We put you at the center of everything we do
System coating solutions
Solutions that fit your needs
Quality is of the essence
We focus on the future
Service for your success
“The whole is more than the sum of its parts.” This is a statement which has a very special meaning to us as a manufacturer of industrial coating systems. As we see it, the coating of a product always forms an integral part of its functionality. For this reason, we see ourselves, above all, as your personal consultant – a partner of industry using our know-how, ideas and resources to develop optimum solutions for you – our customer. With our advice, service and high-quality products, we offer you the added value which gives you the winning lead in an increasingly competitive market.
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Typically for the whole Brillux group, typically for Brillux Industrial Coatings: We put your needs, expectations, wishes and requirements at the heart of everything we do. Plus, we are future-orientated for your sustained success to help you make your processes more efficient, save resources, time and energy and meet your quality commitments.
Our innovative power is your competitive advantage.

The demands made on coating materials are as varied as today’s product world. And we translate these demands into customized system solutions. To comply with the latest environmental protection laws and regulations, for example, we designed low-emission high-solid and hydro-paints for industrial applications. Our maximum efficiency low temperature and thin-film powder coating systems are the perfect answer for the constantly increasing cost of materials and energy. Paint innovations like these complement our future-oriented product range which enables you to meet the requirements for energy-efficient and environmentally compatible production – without high investments and without any compromises in quality, optical effect, functionality and efficiency.

We come from a good family

Brillux Industrial Coatings is a subsidiary of Brillux, Muenster – a leading paint manufacturer in Germany and increasingly in the whole of Europe. Our family-run company has been producing and marketing paints and associated professional materials for over 120 years. Brillux owes its strong market position to its direct marketing strategy through more than 140 branches in Germany in combination with continuous innovation and focused customer service. The group currently employs more than 2,300 people.

Quality without compromise

Quality is a crucial factor of success. Brillux Industrial Coatings stands for sophisticated solutions well worth their price, because they are sustainable and create added value for you, our customer. This is true for both our standard products and the individual solutions we design to meet the individual specifications we develop in close cooperation together with you. Our commitment to high quality is reflected in maximum reliability of your processes.
We think in systems. This means we see coatings as a function in the context of process and product optimization. For this reason our wide range of standard and specialty products provides an inexhaustible repertoire of opportunities for designing economically reasonable production processes as well as opening up new market potentials.

System coating solutions
We are a one-stop shop:
the full range of Brillux products
As a partner of Brillux Industrial Coatings, you benefit from our wide range of products in many ways. It is with good reason that we call our portfolio complete. We are one of only a few paint manufacturers that offer both powder coatings and wet paints, including not only standard products, but also special solutions like antigraffiti paints or antibacterial coatings. We have the right coating solution for almost any application, and we’re ready to create individual solutions for any application we don’t offer as standard.

For you, the user, this has significant advantages:
- Our products complement each other perfectly like the parts of an assembly kit
- You have one point of contact for everything relating to coating
- Choosing the perfect coating system for you is the highest goal of our consulting services, which include both wet paints and powder coatings.

Solutions that fit your needs
Each application has its very own specific requirements resulting from different products and manufacturing processes. This is why coating is always just one part of a complex task to which we contribute all of our know-how. Some examples:

Our range at a glance:

Wet Paints
- Hydro-paints
- High-solid paints
- Synthetic resin paints
- Stove enamels
- 2C paints with a polyurethane or epoxy base
- Coil coating paints
- Electrodeposition paints (CED/AED)
- Anti-graffiti paints
- Spray paints

Powder coating systems
- Polyester powder coating systems
- Epoxy powder coating systems
- Mixed powder coating systems
- Zinc-containing and zinc-free powder primers
- Low-cure-temperature powder coating systems
- Highly weather-resistant powder coating systems
- Thin-film powder coating systems
- Antigraffiti powder coating systems
- Easy-to-clean powder coating systems
- Precoating powder coating systems
- Antibacterial powder coating systems
- Phosphorescent powder coating systems
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– Polyester powder coating systems
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Automotive applications:
Repair coat for utility vehicles

The challenge:
Utility vehicle superstructures are coated with Universal Polyester Powder 5910. Before, wet paints from another manufacturer were used for repairing damaged superstructures. Since powder coats and wet paints from different manufacturers generally differ in shade, whole sides had to be painted, which resulted in significant time and material requirements.

The task:
For repair work, a wet paint needs to be 100% compatible with the original powder coat, i.e. it may neither produce metamerism nor result in color shade differences.

The solution:
Brillux Industrial Coatings now supplies 2C PUR AC Paint 5740 as a wet repair paint. The shade is not only adjusted according to RAL but also to the powder batch used. Metamerism is avoided by using the same pigments.

The advantages:
Thanks to the full compatibility of the powder coat and the repair paint, it is now possible to touch up damaged side walls segment by segment. This leads to significant time and material savings.

Machines for the food industry:
System coating for conveyor plants

The challenge:
A globally active mechanical engineering company produces conveyor plants for dry food (cereals) in their factory in Madrid. So far, three different paint systems have been in use: a special primer, a mixed powder topcoat paint for interior areas and a polyurethane powder topcoat paint for exterior areas. The consequence: high costs due to product changes, cleaning and standstill periods, significant logistic requirements and long plant setup times.

The task:
A coating technique is required which contributes to streamlining the workflow. In addition, high demands are made regarding food compatibility and corrosion protection: C5 I/M long according to DIN EN ISO 12944, Part 6.

The solution:
In close cooperation with the customer Brillux Industrial Coatings converted the process to NTP Polyester Powder PE 5970. This system is now used as the only system for both interior and exterior areas. The powder coating can be used as a primer as well as a topcoat.

The advantages:
Thanks to the conversion to a universal system, standstill times are avoided. The plants are now coated in one work cycle. In addition, there are significant cost advantages compared to the previously used product mix. The low temperature technology ensures a high degree of energy efficiency.

Quality is of the essence

The scenario: Continuously increasing item numbers, shorter production times, stricter environmental requirements and cost pressures. As a user of industrial coatings for serial production, you work in this difficult field of economic considerations, high quality requirements and regulatory restrictions every day. As you know very well, it is not easy to meet these demands. So why not rely on the know-how of Brillux? You will see that the balancing act between different requirements becomes easy when you work with us. Your added value: maximum process reliability and consistently high product quality.
Household appliances: Powder coating tumble driers

The challenge:
A leading household appliance manufacturer produces tumble driers with side walls that need an economical powder coat. However, this must not result in visual differences when compared to a high-quality enamel surface. The coating process must be integrated in the automated manufacturing process.

The task:
The side wall coating needs to be applied when in a horizontal position with a curing time of <= 1 min. The surface must be able to withstand significant mechanical loads, since the components are processed again later (folding, drilling, punching). Additionally, alkali resistance and high scratch resistance are required.

The solution:
Precoat Powder PE 5380 was used. The high cycle rates are guaranteed by infrared curing.

The advantages:
As a low-cure temperature powder, Brillux Precoat Powder PE 5380 distinguishes itself by its extraordinary efficiency. The required process rates are made possible at a minimum energy input. At the same time, the material meets high mechanical resistance requirements perfectly for smooth further processing.

Steel construction: Coating safety steel doors

The challenge:
The customer produces safety doors made of steel. So far, the doors have been coated with a conventional powder coating. The customer’s goal is to maximize cost reduction by converting to another coating method.

The task:
The customer requires a cheaper alternative to conventional powder paint coating. However, the alternative has to meet the binding standards as regards process compatibility and coating quality. For production and technical reasons, the doors may only be heated to a limited extent. As a result, only low cure temperature coating systems can be used.

The solution:
Thanks to the use of NT Eco Mixed Powder EP/PE 5672, which ensures very high covering capacity even with very thin films, the process expenses have been reduced significantly. The square meter yield compared to the powder used before is much higher with identical painting times. Covering capacity, gloss, flow characteristics and mechanical properties meet the quality requirements at significantly lower material input.

The advantages:
Compared to the previously used coating, NT Eco Mixed Powder EP/PE 5672 enables very thin powder paint films – at a constant film distribution. Air and powder consumption can be reduced significantly. In addition, the excellent enamel behavior at relatively low temperature provides very good energy efficiency.

Interior luminaires: High light reflection by using a special coating

The challenge:
One of the leading manufacturers of luminaires in Germany provides its interior luminaires with expensive reflectors in order to achieve maximum brightness values.

The task:
To optimize the interior coating of the luminaires, a high light yield is needed which enables meeting the brightness values without using reflectors.

The solution:
In cooperation with the luminaire manufacturer, Brillux developed a silk matt powder coating system with the highest whiteness degree available in the industry based on their product series Industrial Polyester Powder 5902.

The advantages:
Thanks to the enormously high light reflection of the coating, the field of application for luminaires without reflectors was expanded significantly. For the end customer, this means a higher light yield (efficiency > 80%), as well as lower procurement and maintenance costs. Plus, owing to improved energy efficiency, the luminaires contribute to reducing the customer’s CO₂ footprint.
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The task:
The side wall coating needs to be applied when in a horizontal position with a curing time of < 1 min. The surface must be able to withstand significant mechanical loads, since the components are processed again later (folding, drilling, punching). Additionally, lye resistance and high scratch resistance are required.

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Farming machines:
VOC-reduced coating of cutters

The challenge:
A large farming machine manufacturer produces cutters for harvesters. Until now the products have been coated with solvent-containing medium-solid paints with a two-layer build-up. Corrosion issues and high solvent consumption as well as capacity problems require a conversion of the coating process.

The task:
The customer requires a coating solution meeting three main requirements: reduced solvent use, better corrosion protection and shorter cycle times.

The solution:
Thanks to the conversion to a one-film coating using 2C PUR High-Solid Paint 5730 with reduced solvent content, VOC emissions have been reduced significantly. The cutters, which used to be degreased manually, are now sandblasted, resulting in both time and cost savings.

The advantages:
The high-solid technology designed by Brillux enables VOC-compliant production. Additionally, the single-film coat using 2C PUR High-Solid Paint 5730 reduces time and material requirements significantly. Sandblasting the workpieces and subsequent coating additionally contribute to realizing much better corrosion resistance as well.

Structural elements:
Environmentally compatible coating solution for flat roof systems

The challenge:
A well-known manufacturer of flat roof systems has been using solvent-containing paint systems for coating yellow-chromatized aluminum. The paint was applied in two layers with electrostatic high-rotation bells using an electrostatic airless method plus hand sprayguns.

The task:
The customer wants to utilize VOC-compliant production and plans to use environmentally compatible paint systems. The conversion of the production process should not result in changes to the plant or the plant parameters.

The solution:
Working together with the customer, we are converting the coating process to our water-dilutable Hydro 2C PUR Paint 5861. The material is applied in one layer.

The advantages:
The innovative Brillux Hydro 2C PUR technology enables an almost complete elimination of VOC emissions. In addition, the customer benefits from cost advantages thanks to the single-layer application.
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Certified quality you can rely on
For us, quality assurance is not just a theory but a regular routine we practice daily. Sophisticated, computer-aided control, state-of-the-art production technology and well-proven procedures for continuous monitoring of the manufacturing processes guarantee that high Brillux quality standards are met. This is reflected by the certifications and authorizations of our products and our quality management system.

For example:

DIN EN ISO 9001:2008
By 1995 Brillux Industrial Coatings had already established a cross-company quality management system. Of course, we are also certified to DIN EN ISO 9001:2008. This certificate confirms the high demands we make on ourselves.

GSB international
The quality seal of the association for item coating GSB international (Gütegemeinschaft für Stückbeschichtung) stands for maximum coating quality in exterior applications. This is guaranteed by both the certifying manufacturers and users of coating systems.

Qualicoat
Maintenance of coated surfaces is the goal of the German Association for Aluminum Surface Finishing (VOA = Verband für die Oberflächenveredelung von Aluminium). To achieve this goal the association certifies coating systems and users which meet their high international quality requirements and are monitored worldwide by awarding the Qualicoat seal.
We live with and in our environment. And we depend on our environment. Protection of the environment is a challenge we all have to face. At Brillux Industrial Coatings we meet this challenge with an uncompromising striving for quality. For us a product is perfect only if it satisfies both our customers’ high demands and today’s stringent environmental requirements.
Ecological and economic aspects brought into line
These important factors are why we have been investing in the development of new paint technologies for many years. The result: Leading-edge products, like our high-solid paints with reduced solvent concentrations and our hydro-paints, which fully comply with the VOC Directive, while complying with the highest quality requirements at the same time.

We believe that economic and ecological issues are compatible with one another. And we actively follow this conviction. Our innovative low-temperature and thin-layer powder paints significantly reduce the energy and material required during processing. As a result you benefit from cost advantages, reinforce your position in the marketplace while contributing to protecting resources and reducing greenhouse gas emissions, all at the same time. A win-win situation – for you, your customers and our environment.

Everything under control: VOC, RohS and REACH
These abbreviations represent central challenges industrial paint users and manufacturers all have to face. As your partner we will of course help you to deal with these matters successfully.

VOC Directive
(VOC = Volatile Organic Compounds):
Brillux Industrial Coatings offers you various alternatives to classic solvent-containing paints. By making the right choice from our powder-, hydro- or high-solid paints you will meet regulatory requirements easily.

RohS Directive
(RohS = Restriction of the use of certain hazardous Substances):
This directive controls the use of certain hazardous substances such as lead and cadmium. Brillux Industrial Coatings does not use any of these substances, which means that we are in full compliance with the RohS directive.

REACH Directive
(REACH = Registration, Evaluation and Authorisation of Chemicals):
The REACH Directive plays an important role in the chemical industry. It controls the registration, evaluation, authorization and restriction of chemical substances. As a user of the substances, Brillux Industrial Coatings normally does not need separate registration. In close cooperation with our suppliers we procure only registered and authorized materials.
In everything we do, we continuously keep in mind strengthening your position in the marketplace. Starting with the planning phase we carefully and consistently consider your specific requirements, coordinate services with plant manufacturers if requested, offer thorough application-specific and business consulting services and share our know-how with you in our technical seminars and training courses. In short: We offer comprehensive service for your success from start to finish.
From practice for practice
Modern coating technology is a complex field. Whoever wants to be successful in this field needs specific know-how. This is exactly what you and your staff get in our training courses and factory visits. Simply contact your Brillux field partner to set up a meeting with our experts. We’re here to help you.

Closer to your business
We are here for you – whenever you need us. Our office and field staff represent the whole range of competence of Brillux Industrial Coatings. This means you will always have us available to contact for discussing your specific issues as equal partners. And we’re a partner who will give you full and open access to our wide range of experience and opportunities whenever you need them.

Our technical consulting and service portfolio at a glance:

- We will help you in all matters relating to surface engineering
- We will examine your workpieces in our R&D labs.
- With consistent technical support and regular inspection of the coating build-up we will help you achieve maximum process reliability
- Right from the start, i.e. in the application area planning and design phase, we will support you by carrying out tests in our R&D labs, and then suggest reliable material suppliers or application area manufacturers to help you
- When our paints are used in your application area for the first time, we will of course be there on site to fully support you
- We can also support you by measuring and optimizing the settings of your enamel furnace
Success by quality – that’s our philosophy. A philosophy we translate into intelligent system solutions for industrial coatings. Solutions offering real added value to you because our innovative wet paints and coating powders stand for a high degree of efficiency and functionality.

Secure your market lead with Brillux Industrial Coatings.
Learn more at www.brillux-industrial-coatings.com