

DSB SÄUREBAU GMBH



» We start
where others end.





DSB SÄUREBAU GMBH



» We start
where others end.

Your partner for chemical-resistant, impermeable floors and industrial acid construction

Our mission at DSB Säurebau GmbH is to provide safe, durable and high-performance protection systems for demanding industrial and structural applications. With technically sophisticated coating solutions, seals and acid-resistant linings, we reliably protect people, systems and the environment from chemical, mechanical and thermal stress.

We rely on over 120 of our own experienced fitters, who are deployed throughout Germany and internationally. We combine quality, expertise and responsibility - for sustainable solutions you can rely on.

DSB Säurebau GmbH

Your expert for innovative protective solutions
with certified quality

For over 100 years, industry and commerce have relied on the expertise of DSB Säurebau GmbH when it comes to chemically resistant coating and sealing systems. With certified products and a comprehensive range of services, we set standards for safety, efficiency, and quality – for durable solutions that meet the highest demands.

Our USPs – Your Benefits

Certified chemical resistance

Our systems comply with all legal requirements without exception – from the Water Resources Act (WHG) and HACCP requirements to ISO standards. Whether acids, alkalis, fats, or disinfectants: we offer reliable protection that has been proven in documented successful projects.

Minimal business interruption

Our fast-processing systems ensure smooth operations in catering and industrial environments. Thanks to our specially

coordinated procedures, your operational processes continue to run in parallel while we carry out renovations or new installations, often within a matter of days – without any long downtimes.

Industry-specific consulting and full-service support

With a personal contact person and a dedicated project manager, we accompany you from the initial consultation through planning and installation to repair services. We develop solutions that are precisely tailored to the specific requirements of your industry.

From vision to customized solution

We stand for expertise through our own material development, precise engineering, close cooperation between our assembly experts, and state-of-the-art technology. With innovative protection systems, such as our DIBt-certified products and crack-bridging solutions, we protect employees, equipment, and the environment from mechanical, thermal, and chemical influences—durable, sustainable, and reliable.



COATINGS

Our coating systems form the core of our service portfolio and protect surfaces from chemical, mechanical, and thermal stress. They are used in a wide range of industries—from industrial and hygienic flooring to coated wall cladding and special applications such as aquariums and drip pans.

Depending on the requirements, we use high-performance materials based on **epoxy resin**, **polyester**, or **vinyl ester**, which are individually tailored to the area of application.

Systems offer features such as:

- **Chemical resistance**
against aggressive substances,
- **Mechanical resilience**
for floors suitable for vehicles,
- **Conductivity**
to prevent electrostatic discharges,
- **Crack bridging**
to ensure dense surfaces even under dynamic loads.

In addition, our solutions are available in a wide range of colors and designs to meet aesthetic requirements. Whether functional, decorative, or safety-related, our coating solutions are customized to provide long-lasting protection and outstanding aesthetics.

Coatings



Sealing systems with DIBt approval

Our mission at DSB Säurebau GmbH is to provide safe, durable and high-performance protection systems for demanding industrial and structural applications. With technically sophisticated coating solutions, seals and acid-resistant linings, we reliably protect people, systems and the environment from chemical, mechanical and thermal stress.

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Stellagen ASP

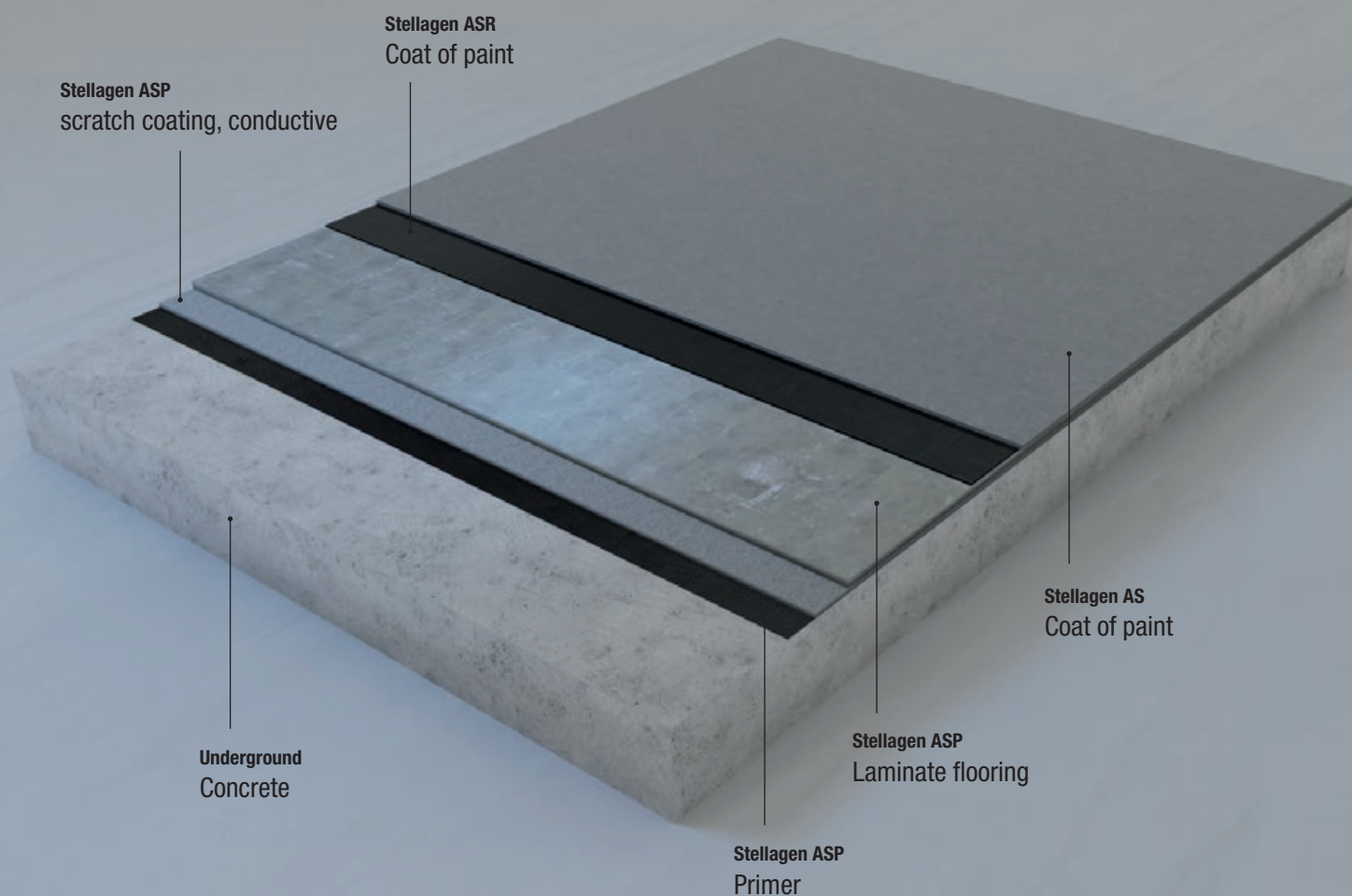
Approval number Z-59.12-331

Stellagen ASP is a coating system based on vinyl ester resin that has a crack-bridging effect up to 0.4 mm due to its glass fiber reinforcement. This property makes it particularly suitable for concrete surfaces that have to meet high requirements, especially in accordance with the Water Resources Act (Wasserhaushaltsgesetz).

The glass fibers are applied to the substrate at the same time as the resin in a special spraying process, resulting in an extremely tensile and chemically highly resistant coating. The system can be used on both metal and concrete surfaces. However, depending on the specific load, an additional protective layer of sheet or stone lining can also be applied.

The use of suitable primers as well as slip-resistant and conductive top coats can ensure both safety when walking on and the protection of sensitive surfaces from electrostatic discharge.

The Stellagen ASP sealing layer is registered under the approval number Z-59.12-331 with the German Institute for Building Technology and is subject to constant quality monitoring.



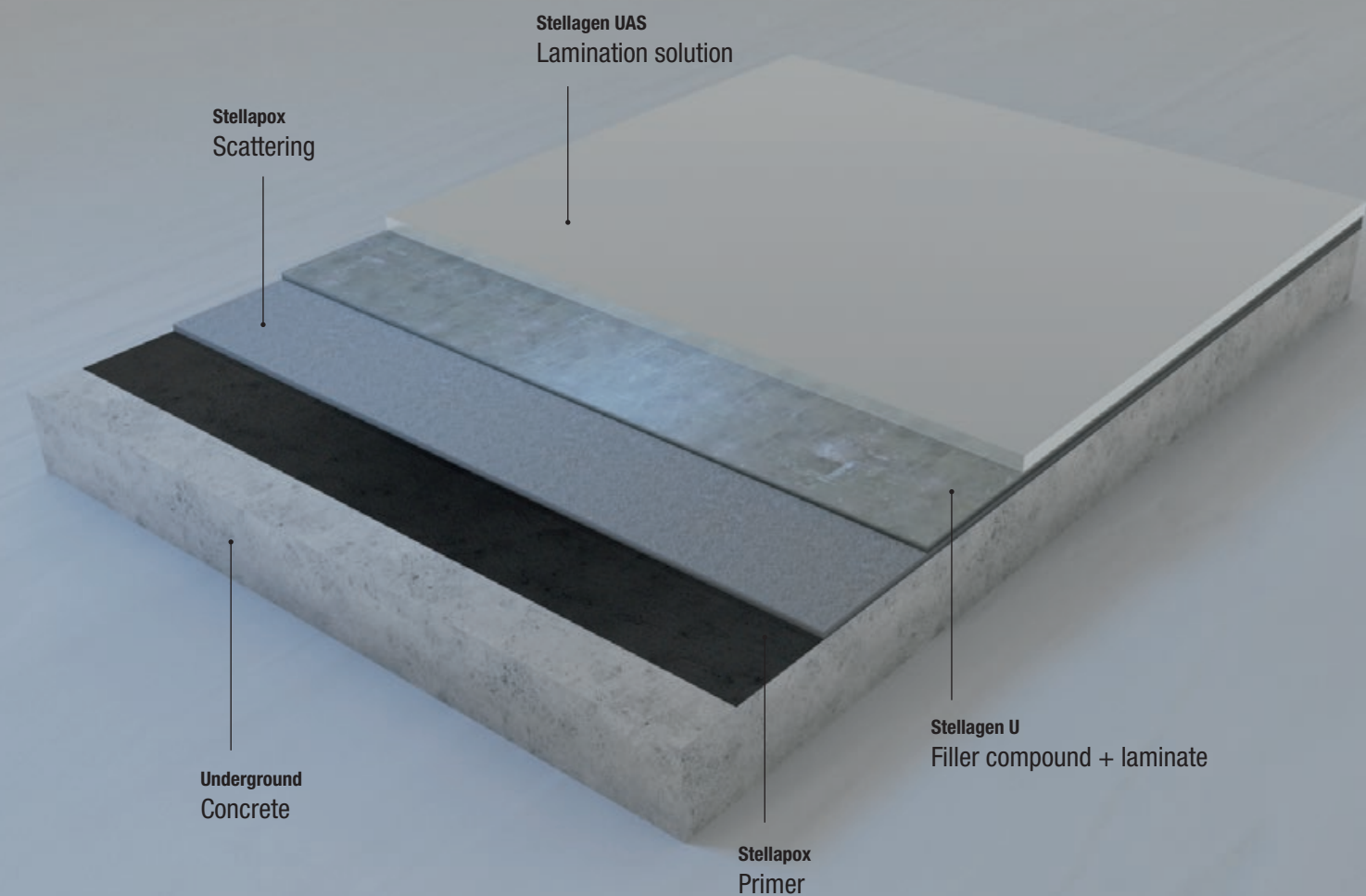
Stellagen UF/UAS

Approval numbers Z-59.12-153 / Z-59.12-152

Stellagen UF and UAS sealing layers are coating systems based on vinyl ester resin. The Stellagen UAS version is dissipative and therefore ideal for use in electrostatic systems.

Both sealing layers, Stellagen UF and Stellagen UAS, are crack-bridging up to 0.3 mm due to their fabric reinforcement. They are therefore preferred for use on concrete surfaces, especially where the requirements of the Water Resources Act (Wasserhaushaltsgesetz) must be met.

The Stellagen UF sealing layer is registered under the approval number Z-59.12-153, the Stellagen UAS sealing layer under the approval number Z-59.12-152 with the German Institute for Building Technology and is subject to constant quality monitoring.



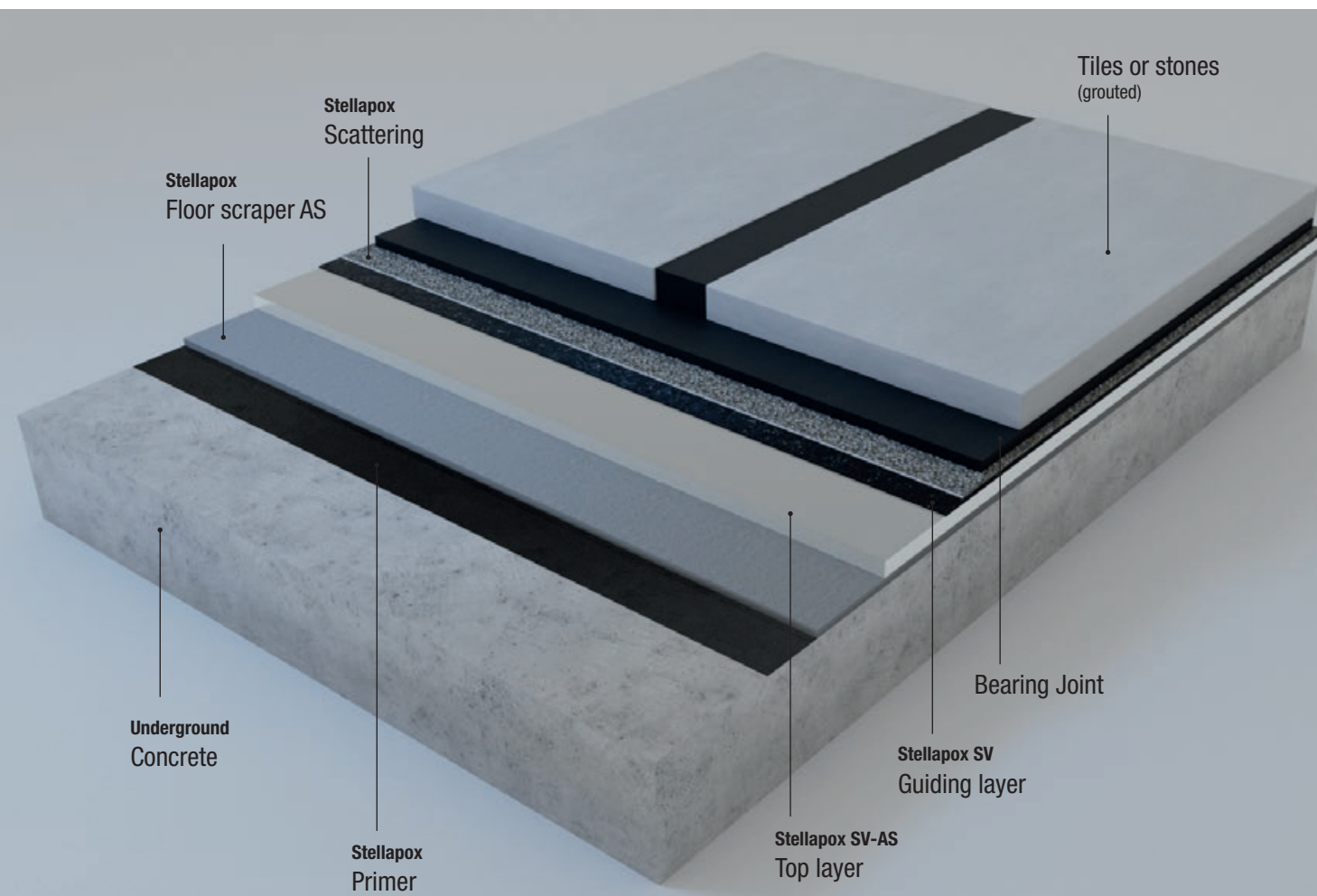
Stellapox SV/Stellapox SV-AS CM1

Approval number Z-59.16-255

Stellapox SV and Stellapox SV-AS are crack-bridging colored pigmented flow coatings based on epoxy resin.

The overall system is trafficable and offers excellent chemical resistance, which allows it to be used in many industrial areas, both indoors and outdoors. Due to its flexible properties, it has a crack bridging capacity of up to 0.3 mm. The use of carbon fiber in the flow coating (Stellapox SV-AS) ensures effective electrostatic dissipation.

The general building authority approval is registered with the German Institute of Building Technology under the approval number Z-59.16-255.

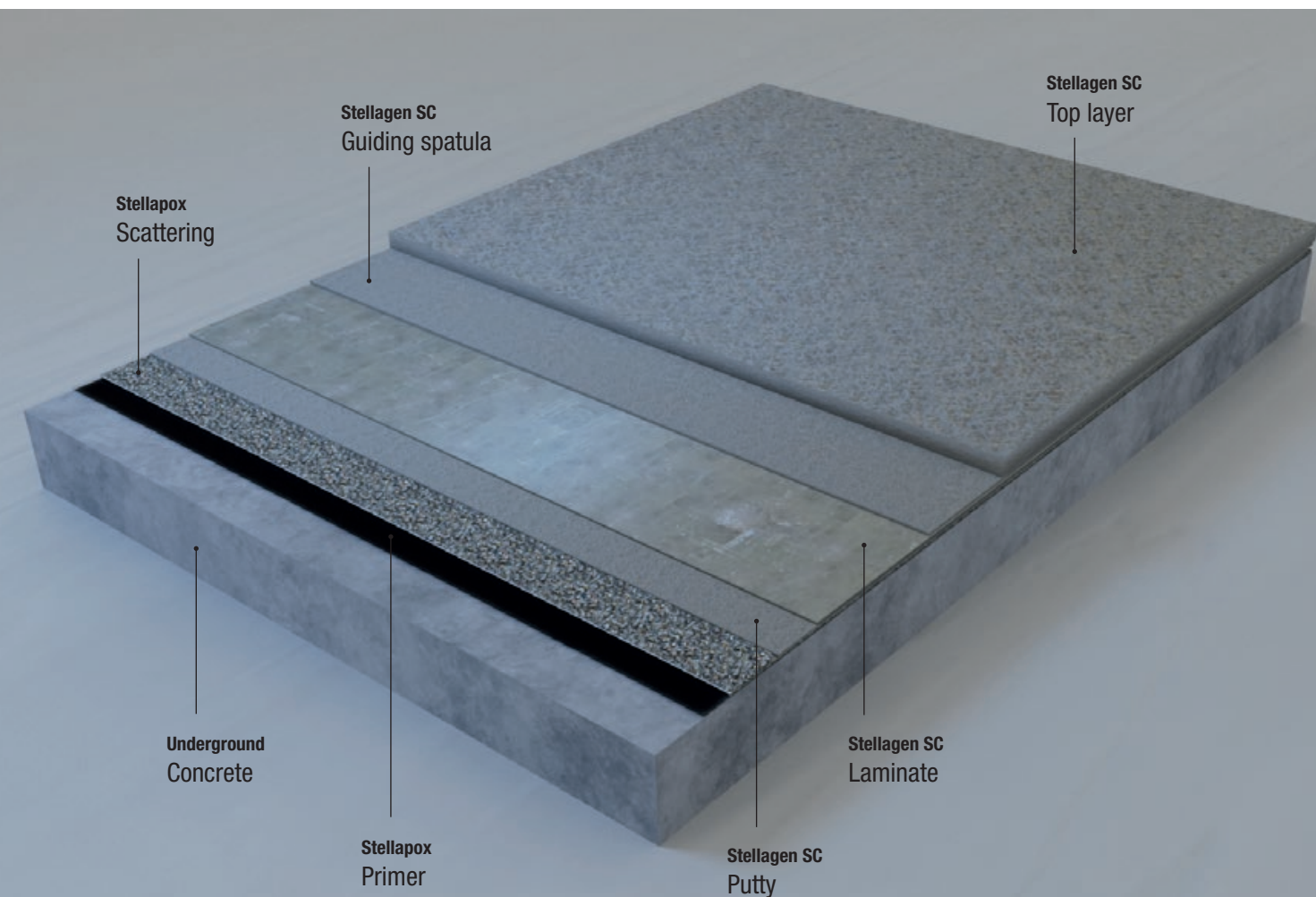


Stellagen SC-GF AS

Approval number Z-59.12-500

Stellagen SC-GF AS is a sustainable coating system with safety. Our monostyrene-free, crack-bridging, dissipative and chemically highly resistant laminate system is based on epoxy-novolak vinyl ester resin. The system is solvent-free, AgBB-tested and offers crack bridging of at least 0.4 mm, depending on the structure.

The general building inspectorate approval for Stellagen SC-GF AS is registered with the German Institute for Building Technology under the approval number Z-59.12-500.





INDUSTRIAL FLOORS

Industrial floors

In addition to an attractive appearance, chemical and mechanical resistance are also crucial. DSB Säurebau offers you a wide range of systems that make it possible to cover almost any stress profile.

In order to function reliably, floor coverings must be optimally matched to the respective stresses on a project-specific basis. DSB Säurebau GmbH offers you customer-oriented solutions from a single source.

Multi Layers Coating

The multi layers coating is produced by applying a synthetic resin solution several times and then sprinkling with quartz sand, colorite quartz sand or conductive fillers. This technique makes it possible to achieve different layer thicknesses and slip resistance. In addition, the coating is chemically resistant, impermeable to liquids and can be individually colored.

Synthetic resin flowing screeds

Synthetic resin flowing screeds are self-leveling coatings based on epoxy resin or vinyl ester resin. They offer special advantages such as easy cleanability and versatile visual design options. The total thickness of the coating can vary between 3 and 6 mm, depending on the area of application. These flowing screeds are used in various sectors, from the pharmaceutical industry to the chemical industry.



Tested safety for commercial kitchens

Kitchen coatings

In addition to an attractive appearance, chemical and mechanical resistance are also crucial. DSB Säurebau offers you a wide range of systems that can cover almost any stress profile. Floor coverings must be optimally tailored to the respective stress profile for each specific project in order to function reliably. DSB Säurebau GmbH offers you customer-oriented solutions from a single source.

From the ground up – safety with a system

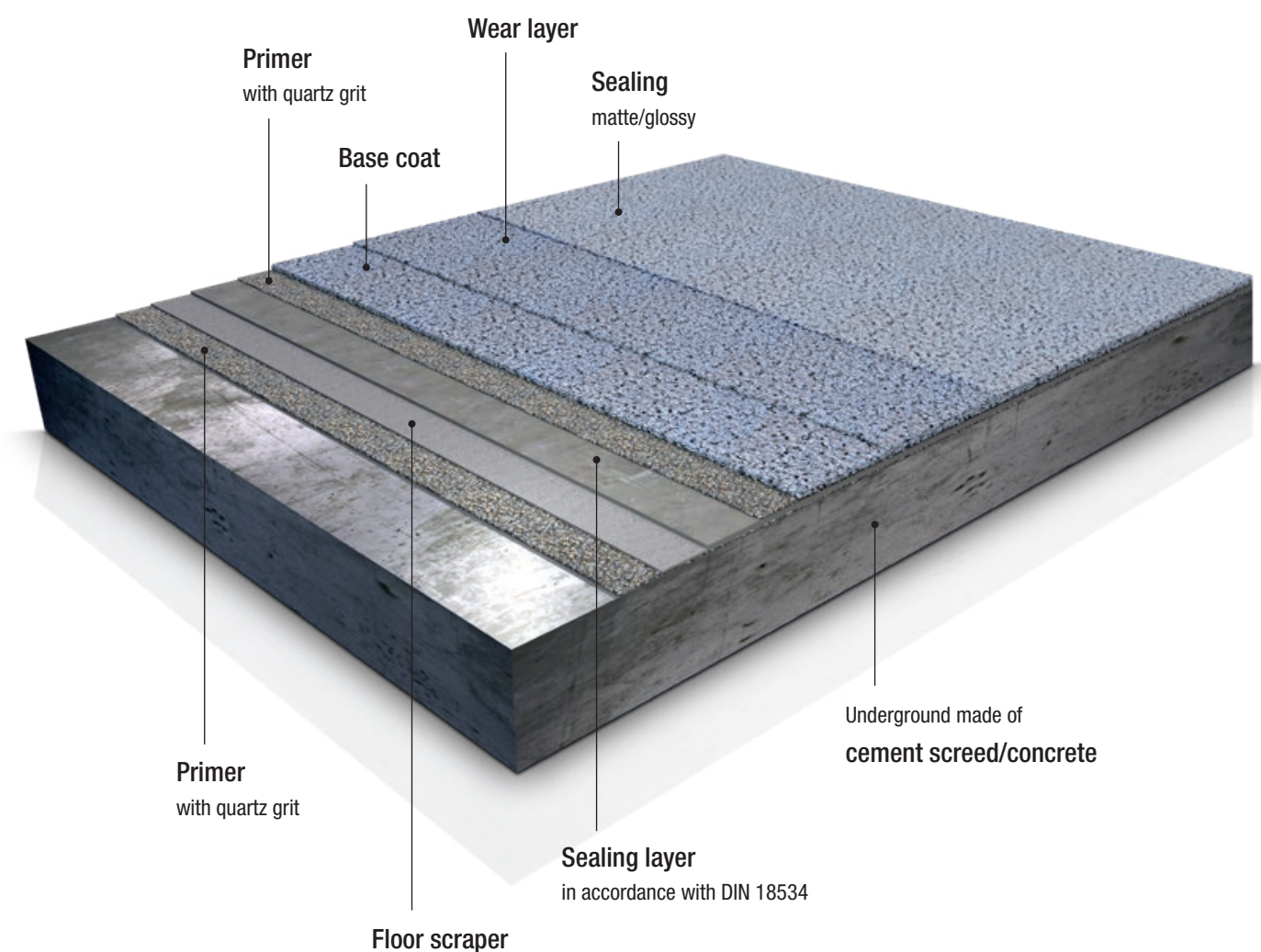
Regulations and operations place high demands on floorings in commercial kitchens.

In addition to requirements for impermeability (DIN 18534) and slip resistance (BGR 181), issues such as noise and fire protection, physiological safety, emissions, ergonomics and color design must also be taken into account. Due to their superior properties, synthetic resin coatings are far ahead of classic tile coverings in these areas.

DSB Säurebau GmbH has been developing its own coating systems for floors in commercial kitchens and food processing plants for more than 30 years.

With our “Stellapox kitchen flooring” coating system (LGA test certificate no. P-21V80003), which has been tested by the building authorities, we offer a professional and sustainable solution for your kitchen floor. In contrast to alternative floor coverings, the “Stellapox kitchen floor” can be laid almost seamlessly. The Stellapox coving optimizes the impermeability of the system in the floor-wall area and forms a sealed tray. Connections to critical points, such as gutters or floor inlets, are sealed with sophisticated details for a particularly long service life.

In addition to coating work, our spectrum ranges from bare floor to finished floor. We are happy to support you with the planning and tendering of your kitchen floor. DSB Säurebau offers you customer-oriented solutions from a single source and always a competent partner at your side.





AQUARIUMS

*Thanks to the flexibility of our coatings,
almost all of the designers' creative ideas
can be implemented.*

>> Aquariums

In recent years, our coating systems have proven to be excellently suited for use in animal enclosures, water basins and aquariums. The epoxy resins predominantly used, in combination with crack-bridging processing, ensure absolute impermeability and at the same time meet the highest requirements for physiological harmlessness. A decisive advantage of our systems is their inseparable adhesion to the substrate, which clearly sets them apart from conventional linings.

Aquariums



CERAMIC LININGS

Ceramic linings are among the most proven solutions when it comes to durable and resistant surface protection in areas subject to high levels of stress. Whether acid-resistant cladding in the chemical industry, hygienic tile linings for food processing or ceramic systems with DIBt approval - our linings impress with their high resistance to chemical, thermal and mechanical influences. Depending on the requirements, they are laid and grouted in synthetic resin mortar based on epoxy resin, vinyl ester or furan resin.

DSB Säurebau offers a suitable, technically sophisticated solution for every application - professionally planned and reliably executed.

Ceramic Linings



Ceramic tile linings with DIBt approval

DSB Säurebau offers combined, approved systems consisting of a coating and wear layer made of ceramic tiles. Our solutions are specially designed for demanding areas of application and offer the highest quality and reliability. The ceramic tile linings are extremely resistant to mechanical and chemical loads. Thanks to DIBt approval, you can be sure that our systems meet the highest building authority requirements.

Combined lining system

Stellapox SV-AS CM1

The floor surface is first sealed with our Stellapox SV-AS CM1 sealing layer in accordance with the approval specifications. A hard-wearing wear layer of ceramic split tiles, porcelain stoneware tiles, solid clinker tiles or acid-resistant stones is then laid on top of this coating system in combination with a synthetic resin mastic system.

The system is registered under approval number Z-59.31-485 with the German Institute for Building Technology and is subject to constant quality monitoring.

Combined lining system

Stellagen ASP CM1

The floor surface is first sealed with our Stellagen ASP sealing layer in accordance with the approval specifications. A hard-wearing wear layer of ceramic split tiles, porcelain stoneware tiles, solid clinker tiles or acid-resistant stones is then laid on this coating system in combination with a synthetic resin mastic system.

The system is registered under approval number Z-59.31-490 with the German Institute for Building Technology and is subject to constant quality monitoring.

Tile linings for the food industry

Hexagon tile linings are undisputedly a good standard - but only if they are finished with a chemical-resistant sealing layer. Our hexagon tile linings are equipped with such a sealing layer and laid with a synthetic resin mastic to ensure maximum durability.



Acid-resistant bricks and tiles

Properties

Didier SF is an acid-resistant brick material specially developed for the production of heavy-duty, wear-resistant linings and claddings in tanks, flooring and other building surfaces. The fireclay raw materials used are carefully mixed, shaped, dried and fired, resulting in a densely sintered, high-quality, acid-resistant material. Didier SF is ideal for ceramic linings that can withstand high chemical and thermal loads. It is laid and grouted in synthetic resin mastic, such as epoxy resin (EP), vinyl ester (VE) or furan resin (FU).

Application

Didier SF offers an optimum property profile that is tailored to the physical requirements of acid-resistant ceramic brick linings and tile linings. This applies in particular to porosity, water absorption, cold compressive strength and thermal shock resistance. The material shows excellent chemical resistance to acids, carbon compounds and salt solutions. However, it is not resistant to hydrofluoric acid and only has limited resistance to alkaline media.

Areas of application include floor areas, ducts, pits, walls and hexagonal linings that meet the highest demands for chemical and thermal resistance.





PLASTIC

Our plastic systems offer reliable protection wherever maximum chemical resistance and permanent tightness are required.

Whether surfaces lined with Stellaplast concrete protection panels or double-walled pump sumps with leakage monitoring - our solutions made of high-quality thermoplastics are individually planned and precisely manufactured. They are used in particular in LAU systems, sumps and other safety-relevant areas.

DSB Säurebau stands for durable, low-maintenance systems with tested quality - for maximum protection of structures, the environment and operational safety.

Plastic



Double-walled » pump sumps

Our double-walled Stellaplast pump sumps made of thermoplastic are specially designed for use in sumps, collection rooms and systems that work with substances hazardous to water and meet the requirements of the AwSV. These systems offer reliable protection and maximum safety when storing and handling hazardous liquids.

The double wall construction of our pump sumps provides an additional layer of safety by minimizing the risk of leaks and allowing easy monitoring. Thanks to the robust and durable materials, our Stellaplast sumps are ideal for demanding industrial applications.



Stellaplast » concrete protection panels

For the Stellaplast concrete protection system, we use weldable plastics that are mechanically anchored in the substrate. The system can be put into operation as soon as the substrate has reached the necessary structural strength. A decisive advantage of Stellaplast over conventional constructions is that there are no waiting times for substrate drying, preparation and material curing. This means that the Stellaplast construction can be put into operation very quickly.

Another advantage of Stellaplast: with its prefabricated and installation parts, it is suitable for both new lining and the renovation of your production facilities.

For new linings, we install Stellaplast in prefabricated parts as permanent formwork that is set in concrete directly. After stripping the formwork, the joints and fixing holes are welded tight. Our precise planning and prefabrication in the factory ensure that your project is completed quickly and smoothly.

If you want to renovate your old system, we simply place the Stellaplast system in front of the old lining using our special installation system.



RUBBER LININGS

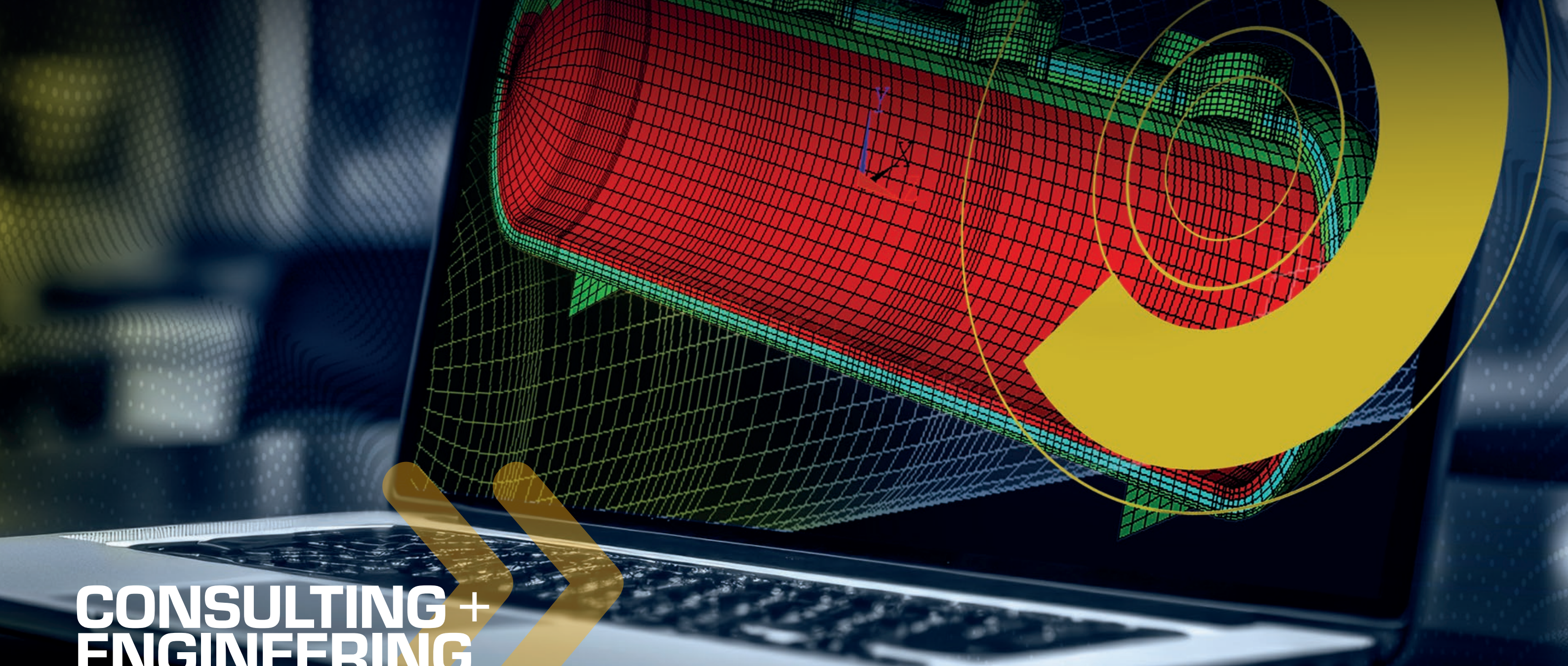
Our rubber linings offer reliable protection for concrete and metal surfaces that are exposed to extreme chemical or mechanical loads. They are used wherever conventional coatings reach their limits - for example in containers, tanks or pipelines in chemical, metal or wastewater technology. Depending on the requirements, we use soft or hard vulcanized systems that are applied directly on site or in the factory.

DSB Säurebau stands for precise processing, many years of experience and tailor-made solutions - for long-lasting, reliable surface protection.

Rubber linings of metal and concrete containers

Components in process plants are exposed to numerous stresses that require effective corrosion protection. In this context, our rubber linings offer a reliable solution for protecting both steel and concrete structures. In particular, they are used in areas such as pipelines, gas scrubbers, reaction towers and steel tanks, as well as in concrete structures such as waste water pits.

Thanks to their high resistance to various chemical, thermal and mechanical influences, rubber linings offer comprehensive protection. They can withstand aggressive chemicals such as acids, alkalis, salt solutions and other substances. They remain effective even under extreme conditions, such as increased temperatures and temperature changes as well as mechanical loads such as abrasion or pressure.



CONSULTING + ENGINEERING

Prudent advice, precise engineering and complete service from planning to construction: for us, these are the keys to the optimum technical solution.

An important building block is our own material development. This is where the systems are developed and refined, tested and continuously updated. The focus is always on providing you with materials that are easy to handle in practical use. That is why we attach great importance to our materials and assembly departments working very closely together.

This continuous exchange of technological know-how and practical experience enables us to (further) develop existing and new systems tailored to your individual application.

DSB Säurebau stands for the protection and safety of your production systems and components - with over 100 years of experience, in-house design and material development as well as trained assembly specialists.

Consulting + Engineering

Industries

Industries need specialists

DSB Säurebau protects plants and processes where aggressive media, temperatures, and hygiene requirements place the highest demands. With decades of experience, we plan, manufacture, and install corrosion-resistant linings, coatings, and components, including engineering, installation, and service from a single source.

This enables us to ensure maximum plant safety and availability, reduce life cycle costs, and guarantee compliance with all standards and legal requirements.

What task can we solve in your industry?



Electronics



Chemical, petrochemical, and pharmaceutical industries



Energy, waste, and recycling



Metal processing



Food and commercial kitchens



Phosphoric acid and fertilizers



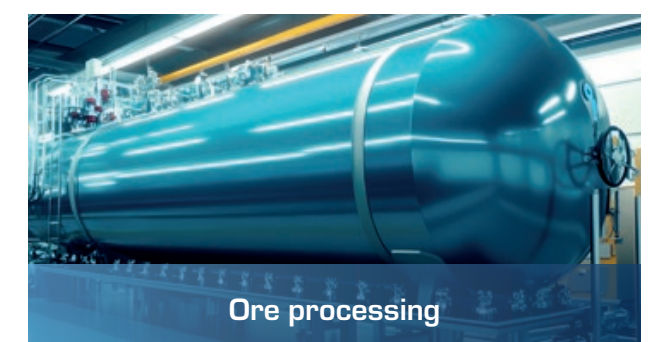
Pulp and Paper



Sulfuric acid production



Construction



Ore processing

CONTACT

Your project is in the best hands with us

We support you from the initial idea through to handover and beyond with **expertise, years of experience** and always in personal contact.

Head office

DSB Säurebau GmbH

Bachstr. 38
53639 Königswinter
Deutschland

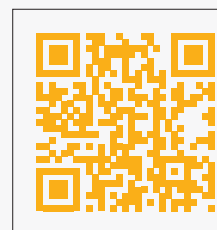
www.didiersb.de
info@didiersb.de

+49 2223-928-0
+49 2223-928-461 (Fax)

We look forward to receiving your inquiry

You can find our locations, regional representatives, and the right contact person on our website.

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