



Säureschutztechnik
Rundmund.net

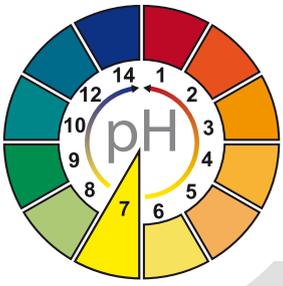
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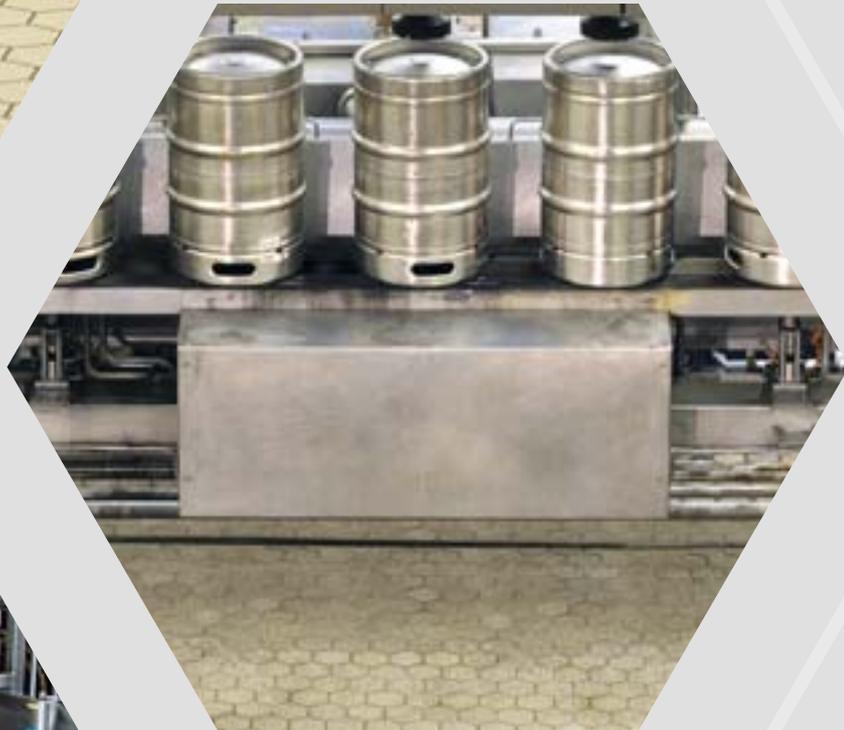
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RS Floor Coverings -

Simply unique!

***Customised to your
floor!***



Technical expertise - Production on time - from planning through to completion:

RS-SF floor covering systems

The load bearing capacity of industrial floor coverings in diverse areas is not unlimited.

Pressure, friction and other mechanical or chemical influences (acids, alkaline solutions) leave their mark.

That means industrial floor coverings have to be designed to be functional in a great many respects. Not only economic factors come into play, but also the need to comply with health and safety at work, for example.

We have decades of experience in the field of acid-resistant industrial floors, not only as a producer but also as a processor.

Our method of working has developed from this:

- Selection of a suitable pretreatment: Blasting, possibly dust-free blasting, milling, grinding etc.
- Selection of suitable acid protection materials: Reaction synthetic resin, 2K expansion joint compounds, SF ceramic plates etc.

Implementation, this too involves our own experts and the associated advantages:

- A contact will guarantee optimum and prompt implementation.

Learn more about us and our services on the following pages ...

Content at a glance

Sustainable acid protection	4-5
Coatings based on synthetic resin	6-7
Acid-resistant hexagonal coverings	8-9
Chemically resistant floors	10-11
Rubber coatings	12-13
Stainless steel applications	14-15

Quality has the highest priority at Säureschutztechnik Rundmund. We therefore implement a comprehensive quality management corresponding to DIN EN ISO 9001. For our high-quality system components that means:

We implement extensive measures for quality assurance in all phases of the planning and processing. From continuous parameter testing during planning to regular monitoring and inspection of the substrate and implementation conditions. Leak, hardness and layer thickness testing is also part and parcel of our service. Not least we test – insofar as necessary – the electrostatic conductivity of our floor coverings and the leakproofness of our rubber coatings.

Service is very important to Säureschutztechnik Rundmund, because our main aim is for you to be satisfied. What our quality management means for you: Certainty and reliability for your project.



Fachbetrieb nach
Wasserhaushaltsgesetz

► Überwacht durch :



DEKRA

URKUNDE

Die Firma Rundmund Vertriebs GmbH & Co.KG

Ammeloe 90

48691 Vreden

ist gemäß Wasserhaushaltsgesetz (WHG) als Fachbetrieb überprüfbar und hat mit der DEKRA Industrial GmbH einen Überwachungsvertrag abgeschlossen.

Der Betrieb ist besichtigt, folgende Bescheinigung zu führen:
Fachbetrieb gemäß Wasserhaushaltsgesetz (WHG).

Der Fachbetrieb ist für nachstehende Tätigkeiten anerkannt:

Anlagenart	Anlagen zum Legen			Anlagen zum Herstellen		
	Neu	Reparatur	Wartung	Neu	Reparatur	Wartung
Abwasserkanäle	✓	✓	✓	✓	✓	✓
Abwasserleitungen	✓	✓	✓	✓	✓	✓
Abwasserleitungen	✓	✓	✓	✓	✓	✓
Abwasserleitungen	✓	✓	✓	✓	✓	✓
Abwasserleitungen	✓	✓	✓	✓	✓	✓

1. Anlagen für den Bau von Abwasserkanälen (DN 100 - DN 1200)
 2. Anlagen für den Bau von Abwasserleitungen (DN 100 - DN 1200)
 3. Anlagen für den Bau von Abwasserleitungen (DN 100 - DN 1200)

Hinweise: Die Tätigkeit gilt Erstellung und Instandhaltung von flüssigkeitsdichten Flächen (keine Verlegung) und Bodenbeschichtungen

Sustainable acid protection for your buildings and systems

As a specialist in high-quality acid protection, we at Säureschutztechnik RUNDMUND have made it our task to protect your buildings, tanks and technical systems effectively and reliably against chemical, thermal or mechanical stresses.

No matter whether coatings, acid-proof plate layers, rubber coatings or special stainless steel applications: Our skilled staff will be pleased to offer you individual advice and undertake the complete engineering for the acid protection through to professional processing and assembly – no matter whether a new building or renovation project.



Our services at a glance

- *Project management from A to Z: Individual advice and planning for your acid protection measures by experienced engineers or technicians*
- *Correct processing and assembly of high-quality acid protection materials with our own trained personnel and, if required, by competent partners*
- *Extensive maintenance, service and repair service*
- *If need be also on Sundays and national holidays or overnight*

4 good reasons for a collaboration based on partnership with Säureschutztechnik Rundmund

1. Advice and realisation from a single source

To find a cost-efficient and technically effective acid protection concept for you: That is our ultimate goal. To this end, we provide tailored advice and offer appropriate processing and a comprehensive service – also subsequent to the project implementation.

2. Local support included

What is very important to us: Proximity to our customers. Our field service employees are available at any time and will be pleased to arrange a personal meeting on site. Tailored to your wishes and requirements. We shall then devise an optimum concept jointly with you. That saves you time and costs.

3. Highest quality guaranteed

Quality has utmost priority for us – because we want you to be satisfied with the result. To this end, we implement a sustainable quality management system according to ISO 9001:2000 (WHG Fachbetrieb as per section 19 SCC 2006), professional processing according to current DIN standards, directive and regulations, a qualified team and high-quality products.

4. Practical training

Improved materials, new lining and laying systems: Developments in the field of acid protection are progressing fast and furious. A constant monitoring of our product range ensures continuous optimisation of our acid protection materials and their application methods. To make sure we are always fully up to date, we attach great importance to the continuous further training of our staff. This means we are always able to respond to your special requirements on site.



Coatings based on synthetic resin - sturdy and durable

Wherever chemicals are manufactured, stored or transported, components and system parts made from concrete, screed or steel in the wall and floor area are subject to significant chemical, mechanical and often thermal stresses. An extensive corrosion protection based on synthetic resin with specially coordinated resin components or systems increases the load-bearing capacity of your building and systems. This means greater durability in the long run and hence a reduction in costs.

After having determined your stress criteria, we devise a concept together with you for the structure of the substrate and the layers covering this so that we can ensure a professional processing of your coating corresponding to the state of the art.

Levelling coatings

The coating is distinguished by smooth, shiny surfaces made from self-levelling, mineral-filled synthetic resin coatings (thickness of 1-3 mm) – that means non-slip interspersions and colour variants are possible without any problem.

Filling coatings

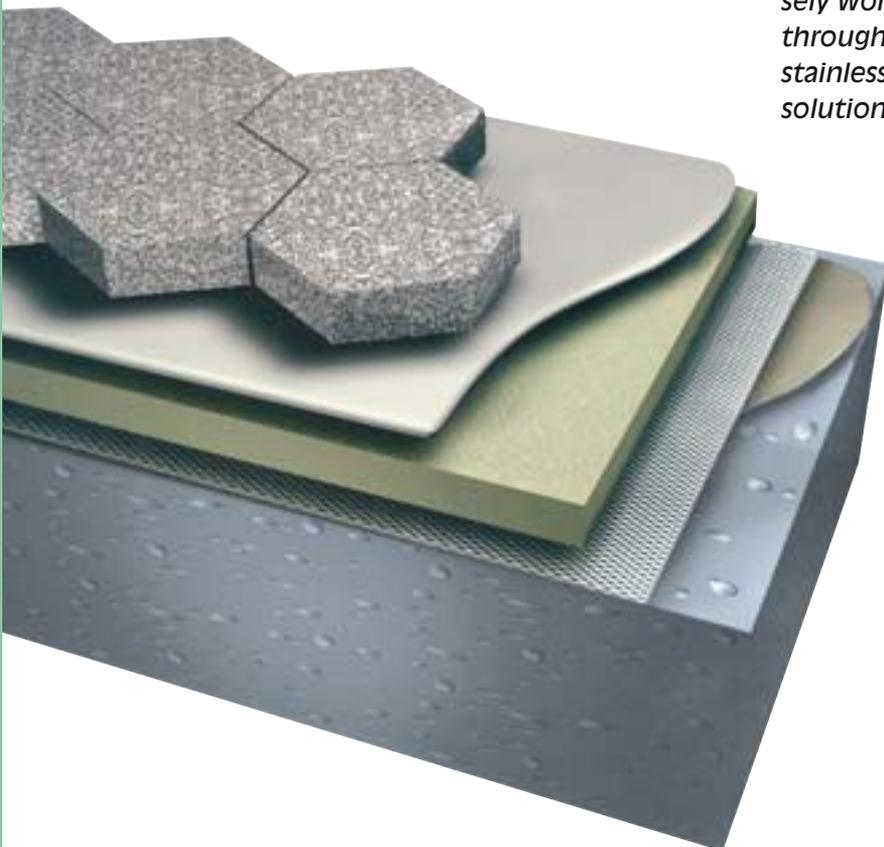
No matter whether highly filled with minerals or reinforced with fibreglass mats – the high-strength coatings are (manually) applied by our technical by our technical fitters.

Interspersion coatings

Our synthetic resin coatings can be customised with non-slip properties in line with the conditions in your building or factory and in accordance with the relevant DIN standards and regulations. The floor can be colour coordinated as a design element to suit your requirements.

Special requirements

From electrically conductive coatings or precisely worked wall connections and seals through to floor coatings with integrated stainless steel outflow – we can find the right solution together with you.



- Long-lasting, chemical, mechanical and thermal resistance and load bearing capacity for your floors
- Sustainable ground water protection as per WHG section 19
- Weatherproofing and ageing resistance
- Electrical conductivity according to DIN 51953 and DIN EN 1081 if required (EX areas)
- Enhanced non-slip properties (R 10 to R 13)
- Attractive appearance thanks to colour design

Application areas e.g.

- Chemical industry
- Pharmaceutical industry
- Food industry
- Large-scale kitchens
- Drinks industry
- Dairies
- Cheese factories
- Electrical industry
- Biotechnology
- Clean rooms
- Processing industry
- Process engineering systems
- Storage and production areas
- Collecting trays according to WHG section 19



Some examples from our product range

- RS - SF ceramic coating
- RS - SF ceramic plating
- RS - Synthetic resin joints
- RS - Stainless steel drainage systems, gutters and gullies
- RS - Protection and sealing layers
- RS - WHG lining
- RS - Thermoplastic lining made from polyethylene
- RS - Acid protection materials

Acid-resistant hexagonal coverings - reliable and durable

Whether conventional laying in thin-bed systems or an electro-mechanically coated variant in thick-bed systems: Acid-proof hexagonal floor coverings fulfil the highest requirements when it comes to load-bearing capacity, durability and appearance.

Besides the optimum laying system, above all the choice of the right filling and acid-proof cement joints is crucial for long life and resistance. The materials we use are modified and processed by us in line with applicable regulations.



The acid cement specially developed for the resultant narrow joints enables a complete surface closing relatively flush with the ceramic coating. The tight joints means the area attacked by harmful media is reduced to a minimum. The plate and joint surfaces are ground smooth for requirements in the highest class of clean room.

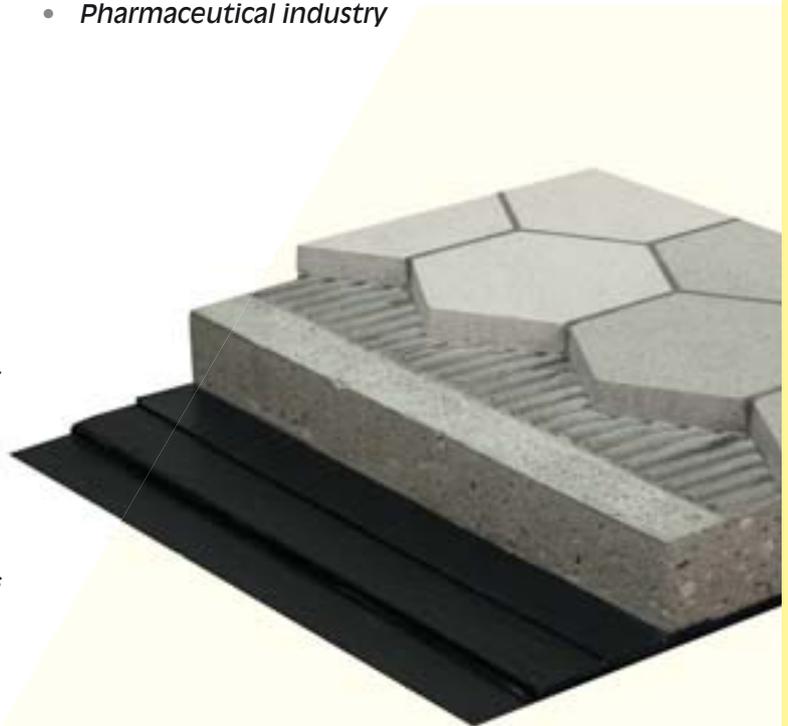
- High-quality visual appearance
- High pressure resistance
- High tensile bending strength in the entire covering
- Highly even and uniform joint
- Very high mechanical load-bearing capacity
- Resistance at high concentrated loading and temperature change
- High load resistance (chemical)
- Faster implementation thanks to monolithic application methods
- Cleaning and maintenance friendly
- Optimum hygiene due to tight material structure

Application areas e.g.

- Dairies/Cheese factories
- Breweries/drinks industry
- Fat and meat processing
- Large kitchens/bakeries
- Cleaning agent/pollutant stores
- Dye factories
- Food canning plants
- Food processing industry
- Raw material and tank farms
- Tank emptying stations
- Laboratories/Ultra-clean rooms
- Pharmaceutical industry

The structure of our floors - Step by step

- 1.** Application of a separating layer or bonding course on the substructure (e.g. reinforced concrete) for preparing the substrate. Alternatively, a sealing coating – for example liquid film/coating or a select rubber sheet – is applied beforehand using a special adhesive.
- 2.** Installation of the drainage systems, pipe penetrations as well as angle profiles as edge protection or for definite formation of the expansion joints.
- 3.** Creation of a mineral, synthetic-resin modified special mortar bed.
- 4.** Application of the acid cement onto the mortar bed for improving the bonding between the mortar and ceramic plates and for improving the chemical resistance of the coating.
- 5.** Insertion of the ceramic plates (surface profiles from R 10 to R 12) in the artificial resin bed.
- 6.** Optional: Additional uniform, electromechanical compaction of the plates.
- 7.** Gap-free joining with artificial resin cement systems tailored to the area of application (electrical conductivity possible).



Examples of our product range

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Chemically resistant floor coverings - acid-proof, extremely sturdy and durable.

Floors have to withstand the highest mechanical, chemical and thermal loads on a daily basis in heavy industry and in chemical plants. Transportation with heavy loads, use of aggressive cleaning agents, moisture and continually changing temperatures.

The use of acid-resistant cladding and lining is absolutely essential wherever the resistance of synthetic resin coatings is no longer effective. A high-quality ceramic plate covering, laid with an appropriate synthetic resin jointing in combination with the sealing layer below ensures:

- *Longer lifetimes*
- *Higher safety*
- *Reduced operating costs*
- *Durability*

The choice of system components is crucial!

Depending on the mechanical, thermal or chemical stress, properties of the substrate and special requirements, Säureschutztechnik Rundmund will plan and realise the optimum floor structure fully customised to your requirements. Ceramic plate coverings are available for selection in various surface structures, formats, thicknesses and makes.



RS systems floor construction:

Technical data of the individual components take you please from our technical data sheets, technical subject to change.

- Lowering the direct thermal load to the sealing layer
- Higher resistance to abrasion
- Reduced contact of the sealing layer with aggressive substances
- Increased diffusion resistance to attacking agents
- Sustainable ground water protection as per WHG section 19
- Electrical conductivity according to DIN 51953 and DIN EN 1081 (on request)
- Enhanced non-slip properties (R 10 to R 13)
- Numerous design options for the ceramic covering (e.g. format, colour)

This is how the floor structure can look

- 1.** Substrate: Concrete/Screed
- 2.** Conductive profiling and priming filling
- 3.** Adhesive/Contact layer
- 4.** Sealing with rubber or coatings
- 5.** Laying and joining system based on synthetic resin
- 6.** Acid-proof ceramic plate covering/lining



Application areas e.g.

- Large-scale kitchens
- Heavy industry
- Chemical industry
- Pickling and electroplating
- Warehouses
- Water-to-energy plants
- Collecting pans

Examples of our product range

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Rubber coatings - corrosion resistant and economical.

Tanks, pipes or systems are permanently exposed to aggressive chemicals in many areas of industry - that makes it tremendously important to provide an effective corrosion protection. High-quality rubber coatings enable a very high corrosion resistance here and enhance the mechanical load-bearing capacity. What is more, rubber coatings are ideally suitable for use owing to their high elasticity and crack bridging as well as their sealing layer under acid-proof plate coverings or expansion joints. Säureschutz-technik Rundmund will help you to find the rubber coating perfect for your application.

Taking the corrosion properties of the medium into account via the application temperature and special parameters, such as abrasiveness, we analyse your requirements and ensure a cost-efficient project realisation.

Depending on the application, we implement two types of rubber coating:

Hard rubber coatings (Plant rubber coating)

The highly cross-linked elastomers based on isoprene or styrene-butadiene rubber are distinguished by their very good diffusion resistance to highly corrosive media.

Soft rubber coatings (Construction site rubber coating)

The cross-linked elastomers – generally butyl rubber – excel thanks to a good diffusion resistance and tremendous ability to withstand aggressive and corrosive chemicals such as sulphur dioxide or hydrofluoric acid.



- *Increased corrosion resistance of your plants*
- *Insensitivity to concentration fluctuations (important for avoiding damage with oxidising media)*
- *High mechanical resistance*
- *High tear resistance and adhesive/tensile strength*
- *Option of cladding pressure and vacuum tanks according to the current standards*

Application areas e.g.

- *Medium-sized and large plant parts (e.g. storage tanks, absorbers, transport vessels, evaporators)*
- *System parts exposed to aggressive corrosive media*
- *Smoke gas scrubbers*
- *Pipes*
- *Collecting pans, rooms and sealing areas*



Examples of our product range

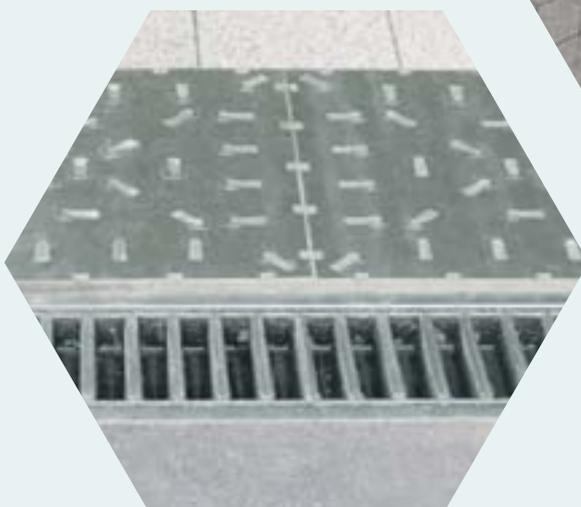
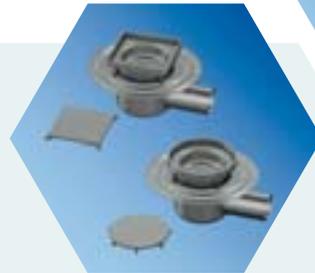
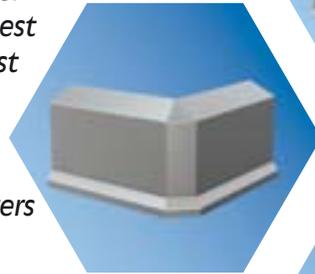
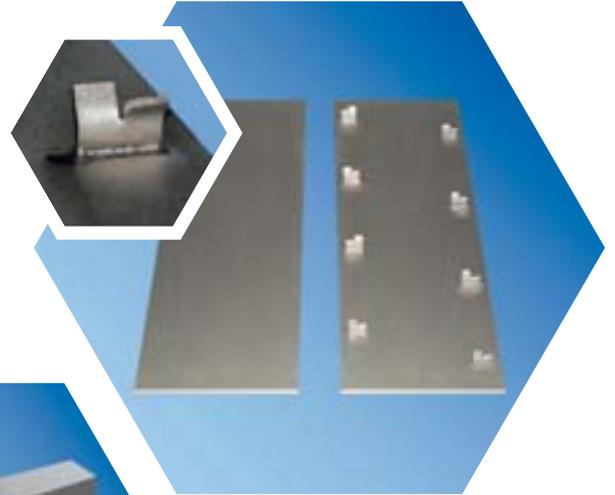
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Stainless steel applications - robust and elegant

No matter whether antiskid, chemicals-resistant or extremely wear-proof: High-quality floor outflows, drainage ducts, shaft covers or pipe penetrations round off the functionality and resistance of modern industrial floors, while also ensuring a superb visual appearance in every building.

Säureschutztechnik Rundmund provides a wide range of design options for professional mounting and installation of the select stainless steel drainage elements. This ensures that the highest demands for leakproofness, resistance and cost effectiveness are met.

We only use high-quality stainless steel components made by prominent manufacturers to achieve this.



- *High-quality drainage systems for every application*
- *Very sturdy and durable*
- *Easy cleaning*
- *Safe in terms of bacterial infections*
- *Timeless design*
- *Dimensioning of the stainless steel components according to your individual requirements*



Application areas e.g.

- *Dairies/Cheese factories*
- *Breweries/drinks industry*
- *Fat and meat processing*
- *Large kitchens/bakeries*
- *Dye factories*
- *Food canning plants*
- *Food processing industry*
- *Raw material and tank farms*
- *Tank emptying stations*
- *Laboratories/Ultra-clean rooms*
- *Cleaning agent/pollutant stores*
- *Pharmaceutical industry*
- *Heavy industry*
- *Chemical industry*
- *Warehouses*
- *Water-to-energy plants*
- *Collecting pans*
- *Electrical industry*
- *Biotechnology*

