



Providing Effective Surface Sealing – both in construction and renewal



Our service ...

Surfaces that remain leaktight to liquids and resistant to all sorts of media in the long term are needed in virtually all facilities in the chemical industry. Cost-effective solutions adapted to the facility in question and compliant with applicable regulations can only be found when experienced specialists from different areas work closely together.

The industry-specific expertise of the engineers at Bayer Technology Services will help you to plan and construct surfaces that meet regulations such as the German Water Management Act (WHG) and Regulations on Facilities Handling Substances Dangerous to Water (VAWS).

For your specific problem we are able to provide:

- concept designs for new facilities or concepts for modifications due to change in use or general refurbishment;
- damage surveys and reconstruction concepts;
- expert reports;
- fire-fighting water retention concepts.

After thorough consultation, we will execute all necessary planning and liaise with the relevant authorities in obtaining all the permits required.



Floor design for filling units – user-friendly and compliant with applicable regulations

Our experienced construction supervisors ensure that all tasks are completed in time and in the quality required.

Having assessed the various options, we advise on the most economic solutions that comply with regulations (and fit users' needs). Among these are, for instance, liquid-proof concrete floors, prefabricated concrete elements, concrete restoration including joint renewals



Flooring for storage area with a jointless coating

or the provision of joint and sealing systems.

Other areas of specialty are:

- anti-corrosive (acid-resistant) systems;
- plastic coatings and linings;
- asphalt coverings;
- steel liners;
- clean room floors and walls.

... is your gain.

The complex nature of today's laws, decrees, regulations, technical rules and guidelines means that sound subject-specific knowledge and many years of experience in industrial construction are a major advantage when dealing with the essential issues to bring you added value.

We share our know-how with other experts in relevant working groups and organizations (e.g. DIN and various engineering and construction associations), thus adding to the practical experience base in the development and implementation of water and soil protection concepts.



At first glance, it appears that the vast spectrum of requirements, for example product and media resistance, impermeability, mechanical and thermal stability, ease of decontamination, discharge capacity, skid resistance, etc. can be met by a variety of different building products, but it is only

- extensive application knowledge,
- detailed project-specific planning and
- knowledgeable construction management

that ensure added value, yielding measurable advantage in the operation of your plant. Our chief objective is to create this kind of added value. At thorough survey of the construction at hand is the prerequisite to meeting economic demands efficiently.

Our approach

Whether for new construction, renewal or damage assessment, our qualified experts will perform a sound analysis of the local conditions and operational parameters, forming the foundation for a meaningful and long-term solution.



Taking stock of the situation, e.g. with a core analysis

Only after the situation has been properly analyzed can the legal and economic framework be optimally exploited in a concrete project.

After in-depth consultation with our customers we develop a sustainable concept, prepare all documents subject to approval and detail concrete measures. Our procurement management is aims to ensure:

- reliability;
- experience with the materials to be deployed;
- execution in operational plants.

Our experienced construction supervisors ensure that your objectives are met in time and within budget.

After completion, our project management procedures ensure that statutory acceptance procedures and technical approvals are obtained without any delay.

References

We have carried out numerous projects of varying sizes in the area of industrial surface finishing.

These include:

- overflow troughs for filling stations for a variety of products;
- linings for drainage channels and pump wells;
- bunded areas;
- floor coatings and coverings;
- installation and renewal of floor slabs;
- anti-corrosion cladding and joints;
- floors for clean rooms (GMP);
- renewal of concrete and asphalt-free surfaces.



Following the demolition and replacement of several thousand square meters of defective basement flooring (above), the floor is again leaktight (below); during the reconstruction work the plant was able to continue working.

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