

Materials technology and sealing

The use of appropriate materials plays a central role in the construction and long-term use of the critical infrastructure that allows modern societies to function. With expertise in the area of materials technology and sealing, we support our clients when it comes to the use of long-lasting materials and advise them on the best approach to sealing their structures against the often damaging effects of the elements.

Our team of civil and materials engineers offers you direct support and consulting services in the following areas:

- Damage appraisal, action plans
- Issues relating to the longevity, corrosion-resistance and safety of materials
- Expert reports
- Consulting in matters of materials testing
- Underground sealing tasks
- Sealing of load-bearing surface slabs on bridges, parking garages and other civil engineering structures

The appropriate selection and use of materials can make innovative structural designs possible, introduce new functionalities and enhance the durability and service lives of structures. Conversely, the inappropriate selection and use of materials can have a disastrous effect on the durability and maintenance-friendliness of structures, dramatically increasing their operational costs and shortening their service lives. In extreme cases, major operational problems and personal injury issues may result.

All kinds of damage results from the exposure of improperly sealed structures to water. This does not need to be the case! Thanks to our know-how and many years of experience, we are able to offer our clients competent advice in all matters of sealing – from sealing concepts to sealing-system selection, planning, execution and monitoring. We thereby make a contribution to extending the service life of our critical infrastructure.