

## HOW YOU BENEFIT FROM SpectraShield

As a consulting engineer, would you like to learn more about sewer and shaft rehabilitation using the **SpectraShield** system? We warmly welcome you to contact FSB Bautechnik. We will inform you regarding the process and possible licensed specialists who work with **SpectraShield**. FSB Bautechnik is the distributor for **SpectraShield** in Europe and provides product quality assurance, engineering, and support.

### YOUR BENEFITS:

- FSB-licensed specialists with specially trained staff.
- Quality assurance by FSB Bautechnik.
- Sustainability of your work.
- Indestructible patented material featuring DIBt approval.
- Improved standing with employers.
- Significant productivity advantages for the construction projects you supervise.
- Avoidance of complaints later.
- Engineering services with pioneering technology.



## ABOUT FSB BAUTECHNIK

FSB Bautechnik possesses the European distribution rights for **SpectraShield**. It imports the system from the manufacturer and patent owner, CCI Spectrum Inc., from Jacksonville/USA. FSB is an integral component of **SpectraShield**'s worldwide rehabilitation network.

Services available from FSB Bautechnik:

1. Distribution of the necessary materials and certified equipment
2. Development of a comprehensive network of licensed specialists who use **SpectraShield** according to the original quality standards.
3. Training courses and qualification procedures that ensure the transfer of know-how to our licensed specialists.
4. Implementation of an efficient quality assurance system.
5. Guaranteed availability of materials.
6. Qualified engineering and support for solving challenges presented by construction conditions.
7. Research and development.



Detailed information is available at our website [www.fsb-technik.de](http://www.fsb-technik.de)

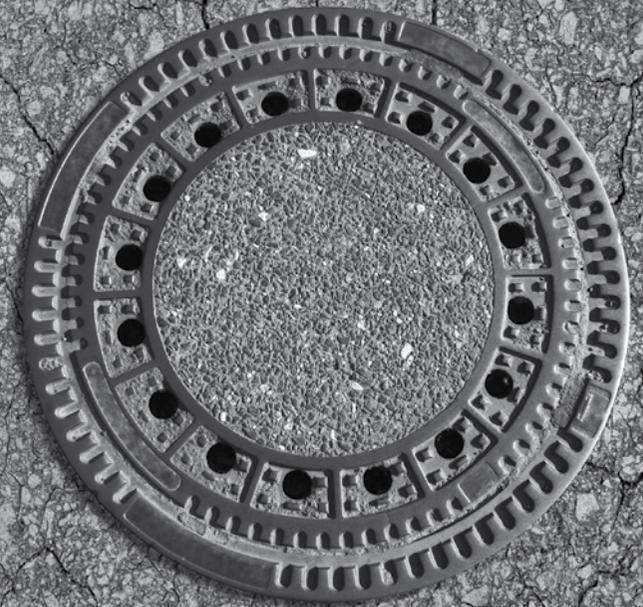


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## PERSUASIVE ARGUMENTS FOR FUTURE-PROOF REHABILITATION OF SEWER SYSTEMS

- Cutting edge technology
- Sustainability
- Guaranteed success



For engineers  
with vision

**SpectraShield**



## SEWER SYSTEM REHABILITATION BOTTLENECK

In European countries sewer systems have aged. In the majority of their thousands of km long sewer-network, there is a serious need for rehabilitation. Mainly the cities and communities themselves are responsible for this, whose duties include disposal of sewage water and whose capital assets often include sewer networks in the top position.

Engineers regularly assume important consulting functions when providing advice on sewer system rehabilitation. For this reason, they have a vital interest in making sure that the procedures required for successful and efficient sewer rehabilitation are completed with the most advanced technology in a sustainable and future-proof manner, correct? Then you should be considering the **SpectraShield** system. This approach help you reach your goal quickly and securely.



## REHABILITATE WITH LEADING TECHNOLOGY



You're familiar with conventional rehabilitation methods and their advantages and disadvantages. The most low-cost method, i.e. mineral-based rehabilitation, often means starting over just a few years later. Sustainability is out of the question. Fibreglass-enhanced plastic coatings offer sustainability, but they are the most expensive technology, and implementation is more expensive than polymer spray techniques.

With its high level of efficiency, sustainability, and its low cost, the proven **SpectraShield** system is the 'high road' for rehabilitation of sewer structures. Main areas of application include the rehabilitation of sewer structures such as inspection and pump manhole and treatment, steeling and catch basins. The advantages are obvious: The most advanced technology, minimum processing time, and absolute sustainability. The durable life of this DIBt-approved and patent-protected multi-layer polymer system is estimated to be around 100 years.

This therefore makes a decisive contribution to preservation of the existing sewer system. As a consulting engineer, you can also look forward to a satisfied employer, and you will have a decisive technological advantage over your competitors.

## HERE'S HOW SpectraShield WORKS

The four step application of the **SpectraShield** multi-layer polymer system is the perfect solution for problems like corrosion, infiltration, exfiltration, missing mortar joints and exposed rebar.

### 1. Preparation

High-pressure water blasting free the surface of the structure from dirt and accumulated materials to prepare it for the coating process.

### 2. Moisture barrier

Modified hybrid polyurea is simultaneously a moisture barrier and a holding primer, and it forms an extremely resistant surface as the inside-layer layer.

### 3. Surface

Gas-proof polyurethane foam fills all surface defects, eroded areas, cavities, pores, and joints and reprofiles the original emplacement.

### 4. Corrosion Barrier

The top-coat of modified hybrid polyuria forms the sustainable surface protection including unique resistance against chemical influences, temperatures, and mechanical stress.

