

features & advantages

(übersetzt von der CCI Spectrum Homepage)

- Procedure used and adequately proven since 1993.
- Experience of more than 37,000 repaired manholes, pumping stations and other drainage systems with a total coating area of more than 500,000 m² worldwide.
- Three layer coating systems protected by several patent laws valid worldwide, based on a systematic coating of polymer compounds, which give a unique structural stability and adhesive strength ("Stress Skin Panel Effect").
- Use of a polyurea material for the barrier layers and polyurethane foam for the filling layer (2k system).
- The three layer coating system is in a position to prevent the infiltration of ground and stratum water, reprofile the surface of the structure to be repaired and/or sealed, and act against exfiltration from the structure at the same time.
- The unusual colour was consciously chosen to guarantee optimum reflection of incoming light in the structure.
- The repair is carried out in a trenchless procedure, and therefore contributes to the work being carried out with as little disturbance as possible to the environment and the surrounding area.
- A 2 m deep manhole with a one metre diameter can be completely repaired within one hour, and can be used again immediately after the repair.
- SpectraShield was developed in order to be the most economical, even in cost competition with the other main coating systems used (liner, coating and concrete rehabilitation).
- SpectraShield is 100% reliable in the elimination of rehabilitation problems, which are caused by VOC (volatile organic compounds in accordance with the Code of Federal Regulation (CFR) 40, part 51.100(s), US EPA).
- Can be used in almost any type of structure and surface.
- Restoring the structure surfaces present before the repair.
- Very short gel and drying times of materials.
- Extremely high tensile strength and elasticity of the materials.
- Extraordinary chemical resistance and widespread temperature range for use (-40°C to +175°C short term).
- Main areas of application are sewerage structures in the domestic sewerage network, and manholes, pumping stations, filter basins, sedimentation or discharge basins.