"Paths are made by walking."

Franz Kafka

So why not use our know-how to rehabilitate manholes?

We, the pioneers and one of the world's leading manufacturers of UV-curing GRP liners, set ourselves the task.

As a result, we are pleased to present the new $BB^{Coneflex}$ today.

Together with the company Max Bögl it was possible to successfully rehabilitate 6 manholes in the city of Kiel at the end of June.

Kiel - 17.06.2019 - 28 °C at night - during the day heat and thunderstorms

7:30 pm:

The company Max Bögl and Brandenburger, with its own manhole rehabilitation system and jobsite technicians on site, start at dusk on a busy intersection to rehabilitate the first shaft.

The manhole is going to be prepared. Climbing irons are removed, everything is cleaned and the floor area laid out.

Short review:

The advantages of our $BB^{Coneflex}$ were already noticeable in preparation for the construction project. Since it is the first manhole liners on the market, which adapts to the prevailing shaft geometry and thus no costly 3D models are required. Only the specifications for the shaft opening and the shaft nominal width are relevant.

8:00 pm:

The first meters are pulled out of the box and cut to the needed length. This is made possible by the special production process at Brandenburger, which enables the production of manhole liners for nominal widths DN 800 - DN 1000 by the meter.

Immediately thereafter, the second inner foil is retracted to take advantage of the capabilities of the particularly stretchable liner material and to allow it to expand into the shaft bottom. This is additionally supported by second cuts along the welding of the outer foil.

8:10 pm:

The packer at the upper end of the manhole liner is set, attached to the crane of its own manhole liner curing plant, pulled up and drained into the manhole until contact with the ground.

8:25 pm:

The manhole liner is positioned. The compressed air is connected and the liner gradually increased up to a pressure of 400 mbar. The material expands to the bottom of the shaft.
8:45 pm:
UV light source is inserted. All lamps are ignited directly and after 30 seconds the light source is raised and lowered five to six times at approx. 50 cm / min.

9:00 pm:
The lamps are switched off, the pressure is released and the packer lid is released.
UV light source and both inner foils removed.

9:10 pm:
Imperfections leveled with the grinder

9:15 pm:
Conclusion: Quick and easy manhole rehabilitation by the BB<sup>Coneflex</sup> and the excellent cooperation of Max Bögl and our jobsite technicians

If you would like to use this kind of efficient and simple way of manhole rehabilitation yourself, just contact us. We are looking forward to it!
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