

## **Compact Pipe® Sewer pipe installation in Poland**

Over a length of 8800 m, DN 400 and DN 500 Compact Pipe® was installed in Wroclaw. The existing wastewater pressure pipe was affected by corrosion and caused repeatedly leaks. The public interest was great to finally put an end to this problem.

Parts of the existing damaged pipeline were placed under a river. Excavating for the installation of new pipes is costly in terms of time and money, so a trenchless configuration can offer a great alternative. Installed via existing manholes and other accesses, Compact Pipe® avoids trenches and allows it to be adapted in local traffic conditions. Compact Pipe® with diameters of up to DN 500 is delivered on drums to reduce the need for storage and maneuvering space, thereby minimizing disruptions on site.

Once the PE pipes are installed, the network operator concerned has a new pipe system with a manufacturer's assurance of a useful service life of up to 80 years. The proven properties and resistance of PE pipes guarantees a highly viable solution. Prefabrication ensures reliable pressure-pipe performance. The various impregnation, mixing and curing processes used elsewhere in the trenchless CIPP business are simply not applicable to Compact Pipe®.



**Pictures of the Installation:** C-shape and Close-fit Installation, connected with Wavin Tegra 1000

Wavin GmbH is steadily expanding its range of Compact Pipe® products with the addition of new materials, dimensions and pressure ratings in order to meet the needs of customers all over the world. The Quality Assurance Department at Wavin GmbH has several decades' experience of testing PE raw materials and PE products. As a direct adjunct to the Compact Pipe® range of products, it manages quality assurance for items supplied on drums, takes test samples from the production line and uses its own test rig to carry out installation tests.

Each production batch is checked for memory and close-fit performance. This is done by taking an "M" (manufactured) product and testing it in an "I" (installed) state.

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