

Compact Pipe® - Sewer pipe installation in Latin America

Wavin Compact Pipe® gas pipes are pre-formed in the factory into a C-shaped cross-section. The pipe is supplied on drums and pulled into existing steel or cast pipes. The application of heat relaxes the C-shaped cross-section back into the circular form, using the old damaged pipe as an outer casing. The new polyethylene pipe fulfils the quality and operating reliability requirements of a sewer pipe with 80 years lifetime.

This is a small documentation about Compact Pipe® installed in sewer systems in Bogota, Colombia. A seminar was given to EPM, the largest water company of Colombia completed by a visit of a job site of Pavco. By this example a Compact Pipe®, SDR 26 was installed into a concrete sewer pipe with a diameter of 200 mm. The delivery of the material on drums allows the new pipe to be delivered tailor-made in length and diameter.



Installation without excavation works, DN 200, SDR 26 (photos/ job supervision by Frans Alferink, Wavin Netherlands)

Wavin Compact Pipe® is fully inspected and tested before shipment. Wavin GmbH issues installation licensees and provides knowledge training for the installation of Compact Pipe®. A total of 30 construction companies worldwide are currently licensed to install the system. This policy ensures optimized process-related installation procedures and qualities. Compact Pipe® is primarily used to avoid lengthy and elaborate reinstatement work involving a need to excavate. Excavation works causes major disruptions in inner-city areas. Compact Pipe® NO-DIG installations avoid excavations. This kind of operation has a significant impact on public transportation, local residents and neighbouring businesses.

Wavin Compact Pipe® has meanwhile become an established system, widely used throughout Europe since the 1990s in the rehabilitation of grey cast iron pipe conduits. Installations in inner-city areas offer cost savings of up to 40% in comparison to new pipes laid in open trenches.

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