

Environmentally friendly and eco-conscious solution to treat stormwater at LEGO

STORM WATER MANAGEMENT

"Twinstore" steel flex pipe technology

The technologies offered by Pureco Ltd., are utilized, among others, in Nyíregyháza, Hungary, where the most significant project development is taking place. The Danish LEGO's new factory is being built. This investment will not only create jobs, but will also provide an opportunity, for the accumulated knowledge in the field of civil engineering, to emerge in the form of creative solutions during the construction. The experts of the contractor, COLAS-Alterra Ltd. installed the elements of the 1500 m³ infiltration field, supplied by Pureco Ltd. In order to infiltrate the precipitation a special "Twinstore" steel flex pipe technology is used. The construction of this system involves less ground work; its installation is fast and easy. The system's lifetime has a significant influence on its interoperability and on the contrary to the technologies used so far – it is effectively cleanable, maintainable and inspectable. Besides gathering the run-off rainwater, the infiltration and purification of the rainwater that is not intended for use, is essential as well. The issue of rainwater purification, 300 and 125 l/s, was solved with the installation of PURECO TNP hydraulic performance steel oil traps.

The factory's entire firewater system was constructed from products supplied by Pureco Ltd. The mandatory 'sprinkler' system's main pipe structure consists of Duktus Tiroler "PUR LONGLIFE" pipes. The 3 km long ring main was built with patented, tensile resistant, capsular bounded, polyurethane coated, ductile cast iron pipes, from the DN 100-300 mm range. These are capable to withstand the usual 16 bar pressure in the main pipes of the 'sprinkler' systems, required by the authorities in case of buildings such as the LEGO factory. The development is an excellent example of the cooperation, where Pureco Ltd as a partner delivers expertise and innovative solutions for an environmentally responsible project implementation.



effectively cleanable,
easy to maintain , inspectable,
steel flex pipe technology,
less ground work

