

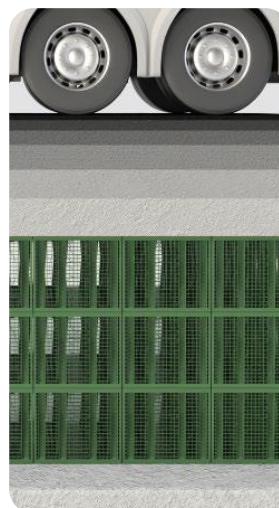


Quick Reference

SUDS (Sustainable Urban Drainage Systems) Carlsberg Byen Byrum 12 - Copenhagen - Sweden



Membrane	Firestone PondGard™ EPDM
Surface	3,200 m ²
Depth	1.3 m
Storage	1,500 m ³
Geotextile	500 g/m ²



Trafficked area

Superstructure

Geotextile
PondGard
Geotextile

Storage
system

Geotextile
PondGard
Geotextile

The Krøyer Hus project is the renovation of the former Carlsberg foundation into apartments, city houses and offices. In order to meet the local regulations for floods protection, it was decided to create an underground stormwater storage of 1,500 m³, designed to retain rainwater for 24 hours.

Three dimensional modules (Rigofill ST) with heavy load capacity (up to 60 t) and high storage volume were installed underground and entirely wrapped with a PondGard™ EPDM membrane protected by a geotextile. After covering, the over-ground became a parking and a green surrounding. For easy maintenance, a Sedipipe system (40l/sec) was installed to capture most of the sediments before reaching the storage zone.

The large size PonGard™ EPDM panels and its accessories ensured a very fast and secure installation of the watertight layer.

Installation video <https://www.youtube.com/watch?v=-r1v7wLcCq0&sns=em>





Quick Reference

