



## G QUADRAT CASE STUDY

# HERMINE LANDFILL USING GCCM „DUOLINER HGS“ FOR COVER PROTECTION IN LEACHAT POND.

### PROJECT INFORMATION: HERMINE LANDFILL - GERMANY

To protect the double layer geomembrane installation, which is used to store liquid hazardous waste (leaching water), inclusive leakage-detection, our innovative GCCM „DuoLiner HGS“ by G<sup>2</sup> is used additionally as protection cover for the geomembranes.

The Geosynthetic Cementitious Composite Mat (GCCM) „DuoLiner HGS“ by G<sup>2</sup> is available in a thickness of 20 mm and a widths up to 2,20 m.

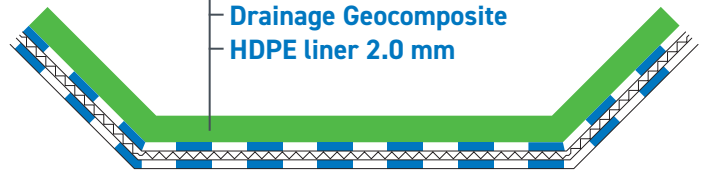
The compact protection element is flexible while being rolled out and placed before reaching it's final strength. The strength of the mixture inside the mat in combination with the tensile strength of the surrounding woven geotextile helps to improve the high protective effect.

„DuoLiner HGS“ from G<sup>2</sup> is designed for use in various applications.

The strength of the product lies in its protective effectiveness as described above, but also as a protective layer against mechanical impacts in underground cables or for the formation of nature-oriented open channels compared to preformed concrete modules.

The mats can be placed quickly and easily using conventional equipment. The mat is durable and, thanks to the mixed concrete filling, also fire resistant. If desired, the surrounding woven geotextile can be dyed any colour.

GCCM G2 DuoLiner HGS  
 HDPE liner 2.0 mm  
 Drainage Geocomposite  
 HDPE liner 2.0 mm



For further information please contact [Dr. Jan Schröder schroeder@gquadrat.de](mailto:Dr. Jan Schröder schroeder@gquadrat.de) or [Martin Sünwoldt suenwoldt@gquadrat.de](mailto:Martin Sünwoldt suenwoldt@gquadrat.de)

