



**F.L.I.**  
ENVIRONMENTAL

# HydroSeal™

## Construction Waterproofing



**....make a watertight investment  
with HydroSeal™**



## HydroSeal™ BFG5000

FLI Environmental has provided construction waterproofing solutions to its customers in Ireland for over twenty years. The products offered include fully welded polyethylene geomembranes; brush or spray applied liquid coatings and geosynthetic clay liners. FLI's construction waterproofing range is called HydroSeal™

HydroSeal™ BFG 5000 is a geosynthetic clay liner offering the combined benefits of excellent structural waterproofing performance with ease of installation. FLI is able to offer full technical support from conceptual design through to installation, providing clients with solutions through the use of our innovative products.

Because reinforced concrete structures are porous by nature and are susceptible to cracking, natural sodium bentonite is an ideal sealing material due to its ability to swell when in contact with water, creating an impermeable barrier. The gel-like consistency of hydrated sodium bentonite allows it to mould to the profile of the reinforced concrete element, sealing small surface cracks as well as those occurring when the structure is in service. For this system to function correctly, it is essential that the bentonite barrier has direct contact with the reinforced concrete element it is protecting. So it prevents fluid flow between the element surface and the sealing system itself.



FLI Environmental provides a complete customer service including design advice; material selection; installation on site and product warranty:

### Advantages:

- 💧 B.B.A. Certification for all grades of tanking and basement waterproofing
- 💧 Robust "roll form" product facilitating quick and efficient installation on site
- 💧 Self Sealing properties of bentonite core ensure high performance in challenging installation environments

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