

High Density Polyethylene (HDPE) liner



A.G.A Geo-liner impermeable membrane is made from high density polyethylene resins (HDPE) and is one of our most popularly specified liners.

Combining the advantages of polypropylene with those of ethylene propylene rubber, A.G.A Geo-liner offers the best of both worlds by creating a highly flexible but very robust liner. Geomembranes are the most widely used products for water containment applications including canals, water courses and solid waste containment (such as landfills).

A.G.A Geo-liner polyethylene geomembrane lining system offers valuable benefits:-

- **Tough and flexible**
- **Conforms well to sub-grade irregularities and protrusions**
- **Offers a good margin of safety during settlement or subsidence**
- **Outstanding resistance to cracking under stress.**
- **Copes well with steeper slopes**
- **Excellent UV resistance**
- **Containing no material which can contaminate water**
- **Outstanding resistance to aggressive chemicals**
- **Low permeability to gases**
- **Relatively easy repair in the field**
- **Proven performance**
- **Site installation uncertainties are eliminated when prefabricated sheet are used.**

We can provide prefabricated sheet ready for installation. The maximum dimensions or sheet size and layout will be dependant upon on site conditions and handling facilities.



HDPE geo-membrane liners ensure superior performance for all aspects of lining lakes, ponds or other impoundments, floating covers and similar containments.



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CONCEPT TO COMPLETION

A.G.A. GEO-LINER

A.G.A Geo-liner is a high performance geo-membrane that provides the end-user with the optimum in state-of-the-art containment liners.



A.G.A's HDPE Geo-liner is particularly cost effective; it provides the lowest permeability of any geomembrane.

This together with its very high chemical and stress crack resistance makes our Geo-liner the ideal solution for almost any containment application.

Sheet or panel construction:

All off site and field seams are thermally welded.

A.G.A. welding techniques deliver high joint integrity because of the wide melt transition window.

Site installation uncertainties are eliminated when prefabricated sheets are used.

We can provide prefabricated sheets ready for installation. The maximum dimensions or sheet size and layout will be dependant upon on site conditions and handling facilities.



The A.G.A. Group both supply and install membrane liners which are guaranteed to be compatible with aquatic life in accordance with testing reports published in the UK by the Water Research Council.

We are a multi-disciplined team who, for over 25 years have had the most successful record of working with, and for, clients throughout the UK.

We can recommend solutions that can ensure the best possible use and environmental appearance of synthetic materials.

Chemically inert and resistant to most hydrocarbons, A.G.A. Geo-liner is seen as the industry standard for a wide range of applications.

Our technical department will be pleased to advise clients on the best sheet size format to suit their specific project needs.

TYPICAL ROLL DIMENSIONS		
Thickness	ASTM D5199	1.00mm
Density g/cm ³	ASTM D 1505	0.94
Roll Length	± 1%	265m
Roll Area		1819m ²

The A.G.A. Group installation teams operate solely within the field of aquatic and bioengineering. We operate a policy of 'Best Practice' and are bound by the Code of Conduct of both the Institute of Fisheries Management and the Society of Biology. The A.G.A. Group will quote for the supply of materials, their installation or for 'turnkey' projects

The A.G.A. Group is validated by the nationally recognised SAFE CONTRACTORS SCHEME

Quality assured to: ISO 9001 : 2008 and ISO 14001 : 2004



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