



Applications

- Pond Liner
- Dam Liner
- Bioretention Trenches
- Creeks
- Channels

GEOmasta® HDPE Bio-Liner

GEOmasta® HDPE Bio-Liner is a premium woven 100% polyethylene (PE) fabric with 2 layers of interlocked high-density polyethylene (HDPE) reinforcing mesh built into the liner. The HDPE woven base with LDPE coatings offers excellent tensile and tear strength.

- Cost & time efficient
- No welding required
- Easy to install by site staff (i.e. expert installers not required)
- Made-to-order pre-assembled sheets
- Liners can be made usually at a short notice within 3-5 days depending on the shape and total area required.
- Liners reinforced with 2 layers of interlocked HDPE mesh (i.e. built into the liner)
- Maximum prefabricated size 20m x 100m or 35m x 35m squares

HDPE Composite Liner Specifications	
Properties	Values
Construction	1440 (1300D) (denier)
Yarn(/sq. cm ²)	14 x 14
Weave Style	Single folded yarn
Coating Thickness	50 micron
Total Thickness	0.43mm
Weight	260 gsm
Tensile Strength	Warp 1809N/5cm Weft 1569N/5cm.
Tear Strength	Warp 223N/5cm Weft 211N/5cm.
Colours	Blue, Black
Roll Width	205cm, 250cm, 366cm
Roll Length	50m, 15m, 10m
Burst Strength (AS4878.7 - Method B)	3400 kPA
Hydrostatic Pressure (AS2001.2.17)	>220kPA
Temperature	-30°C to +70°C
R Values	0.642