

Waterscape Solutions
from Gordon Low Products

Landscaping





EPDM Geomembrane: Lining for Life

Gordon Low Products is the leading UK manufacturer and trade supplier of EPDM Geomembrane, providing pond lining and water storage solutions for the professional landscaper. Our two EPDM liners, Firestone 1.02mm and Greenseal 0.75mm and 1.00mm have proven performance in thousands of exposed applications worldwide.

EPDM (ethylene-propylene-diene-monomer) possesses unique properties that have been proven over many years. The unique molecular structure of EPDM means ageing or changes in characteristics is negligible despite decades of exposure to the environment, UV radiation and ozone.

Vulcanisation during the manufacturing process means that the material differs from thermoplastic membranes in that its properties are not affected by major temperature fluctuations. The liners remain highly flexible even at very low temperatures (down to -40°C) enabling year round installation in a variety of climates and terrain.



The Glasshouse reflecting lake, RHS Wisley, installed by Kingcombe Aquacare Ltd with Firestone Geomembrane.

Firestone 1.02mm EPDM

Over 1000 million square metres of exposed applications are living proof of the long-term quality performance of Firestone's lining systems. This successful track record has made Firestone Building Products a leading manufacturer of waterproofing systems throughout the world. Firestone provides an extensive two day installers course teaching you and your staff to join Firestone Geomembrane on site. With the ability to take on any size project from an intricate water feature to a lake or lagoon you will no longer need to rely on sub-contractors and have complete autonomy on site.



Greenseal Geomembrane being installed for a reed bed (Rockwood).

Greenseal 0.75 & 1.00mm EPDM

Greenseal is produced in Sweden by Trelleborg Building Systems AB who over the last 35 years has produced in excess of 45 million square metres of Geomembrane for world wide distribution. Greenseal liners of up to 1800m² can be manufactured in one piece using our patented vulcanising presses and prefabrication process. We are also able to manufacture tailor made circular and box welded liners to your specification.

Left: The Lily Pond at RHS Wisley, refurbished by Kingcombe Aquacare Ltd with Firestone Geomembrane.

Cover: Installation by Water Gems (Alba) Ltd.



Firestone PondGard

EPDM Geomembrane 1.02mm

Firestone Geomembrane offers dependable performance without compromise for many applications including garden ponds, ornamental lakes, canal refurbishment, dirty water lagoons, and reservoirs.

Proven reliability in thousands of exposed applications throughout the world makes Firestone the perfect choice for any project. The sizes listed in the table can all be delivered to you or your site and in many cases we can offer a next day service. Firestone 1.02mm PondGard is guaranteed for twenty years.

Assured Quality

Firestone Building Products follow stringent quality control guidelines. The company's EPDM manufacturing facilities have received ISO 9001 certification for their total quality management principles and ISO 14001 certification for their environmental management system. Firestone PondGard is guaranteed to be compatible with aquatic life in accordance with testing reports published by the Water Research Centre.



Firestone PondGard 1.02mm

Pre-cut sheets

Available in any of the widths listed below in maximum lengths of 30.48m (100')

(8')	2.44m x max 30.48m (100')
(10')	3.05m x max 30.48m (100')
(12')	3.66m x max 30.48m (100')
(14')	4.27m x max 30.48m (100')
(16')	4.88m x max 30.48m (100')
(18')	5.49m x max 30.48m (100')
(20')	6.10m x max 30.48m (100')
(22')	6.71m x max 30.48m (100')
(24')	7.31m x max 30.48m (100')
(26')	7.92m x max 30.48m (100')
(28')	8.53m x max 30.48m (100')
(30')	9.14m x max 30.48m (100')
(36')	10.97m x max 30.48m (100')
(40')	12.19m x max 30.48m (100')
(50')	15.24m x max 30.48m (100')

Firestone Installers Course

This comprehensive two day course teaches you and your staff to join Firestone Geomembrane on site, thus giving you total control and flexibility, without the need to rely on sub-contractors. The course ends with the presentation of the "Firestone Qualified Installers Certificate" and is for landscapers who want to offer a higher level of expertise on any size project. Our network of qualified installers has proved invaluable to our expanding lake and reservoir business, enabling us to pass valuable enquires to landscapers all over the country.



Seaming Products and Accessories

Firestone Quickseam™ splicing products form the best possible solution for field seaming, joining and repairing EPDM Liner. We can supply the full range of these products in a variety of full pack and split pack quantities. A selection of available products is shown in the table below. A free quick reference seaming guide for use by Firestone trained installers is available in addition to the full Firestone Installation Manual.

Pipe Entries

The Firestone rubber Quickseam Pipe Boot (lower left) fits various pipe penetrations from 25mm to 175mm. For all other diameters we fabricate a 'top hat' section to suit. Splice tape and primer are included for a watertight seal.

Repair Kit

The Firestone rubber repair kit (lower right) is ideal for small punctures and tears. The kit includes two 150mm square patches, primer, seam roller and protective gloves. A simple application process ensures a watertight seal.



Seaming Products and Accessories

product description	product code
Cold Glue Tape – 60mm x 10m	GLP-82001
Splice Adhesive – 250ml tin	GLP-82002
Quickprime Plus – 100 / 250ml tin	GLP-82009
Formflash Repair Tape / m	GLP-82016
Quickseam Splice Tape / m	GLP-82006
Quickseam Repair Kit	GLP-82020
Quickseam 75mm splice tape roll (30.5m)	GLP-82005
Quickprime Plus tin, 3.78L (coverage approx. 60m linear)	GLP-82008
Splice Wash 19L (5 US gal.) tin	GLP-82010
Bonding Adhesive 19L (5 US gal.) tin (coverage approx. 25m2)	GLP-82012
Quickseam 230mm (9") Formflash roll (15.25m)	GLP-82015
Lap Sealant cartridge (coverage approx. 6m linear)	GLP-82022
Water-Block Sealant cartridge (coverage approx. 3m linear)	GLP-82025
Aluminium Termination Bar, 3m length	GLP-82028
Quickscrubber kit, 30 pads and 4 handles	GLP-82030
Universal Pipe Sleeve, 25mm to 175mm Ø	GLP-82037

Greenseal Geomembrane

EPDM 0.75mm

Greenseal is produced in Sweden by Trelleborg who over the last 35 years have produced in excess of 45 million square metres of Geomembrane for world wide distribution. Greenseal is an EPDM liner of exceptional quality; it has the same physical characteristics as Butyl with a cost saving of about 30%.

Greenseal is not affected by UV light; it remains stable with advancing years regardless of temperatures from -40°C to +120°C without shrinkage, melting, and brittleness or cracking. Used extensively by landscapers and civil engineers for lakes, canals, tank liners and reservoirs, its sheer durability and flexibility makes it the perfect choice for any landscape project.

Our unique prefabrication process, coupled with our in house designed and patented vulcanising presses, allow us to manufacture liners up to 1800m² in one piece.



A 1.00mm Greenseal Geomembrane 26m x 53m being prepared for use as a dirty water lagoon at a dairy farm in Taunton.



Greenseal Geomembrane 0.75mm

Example widths and maximum lengths

2.0m x 40m
3.0m x 40m
4.0m x 40m
5.0m x 40m
6.0m x 40m
7.0m x 40m
8.0m x 40m
9.2m x 40m
10.9m x 40m
12.1m x 40m
14.2m x 40m
15.1m x 40m
16.4m x 40m
18.1m x 40m
20.1m x 40m
23.1m x 40m
26.0m x 40m
28.9m x 40m

Other widths available – please ask

Greenseal Geomembrane 0.75mm

Example sizes of large sheets manufactured in one piece

21.0m x 60m
22.0m x 60m
23.0m x 60m
24.0m x 60m
25.0m x 60m
26.0m x 60m
28.0m x 60m
29.0m x 60m
30.0m x 60m
31.0m x 58m
32.0m x 56m
33.0m x 54m
34.0m x 52m
35.0m x 51m
36.0m x 50m
37.0m x 48m
38.0m x 47m
39.0m x 46m
40.0m x 45m



Butyl Pond Liner

Butyl Rubber 0.75mm

Butyl is the most expensive product for pond lining, now superseded by our Greenseal EPDM. Produced in Sweden by Trelleborg, Butyl is available in exactly the same widths as Greenseal and is suitable for any project where budget restrictions do not apply. Our largest sheet size in one piece is 1800m².



Butyl Pond Liner 0.75mm Example widths and maximum lengths

2.0m x 40m
3.0m x 40m
4.0m x 40m
5.0m x 40m
6.0m x 40m
7.0m x 40m
8.0m x 40m
9.2m x 40m
10.9m x 40m
12.1m x 40m
14.2m x 40m
15.1m x 40m
16.4m x 40m
18.1m x 40m
20.1m x 40m
23.1m x 40m
26.0m x 40m
28.9m x 40m

Other widths available – please ask

Butyl Pond Liner 0.75mm

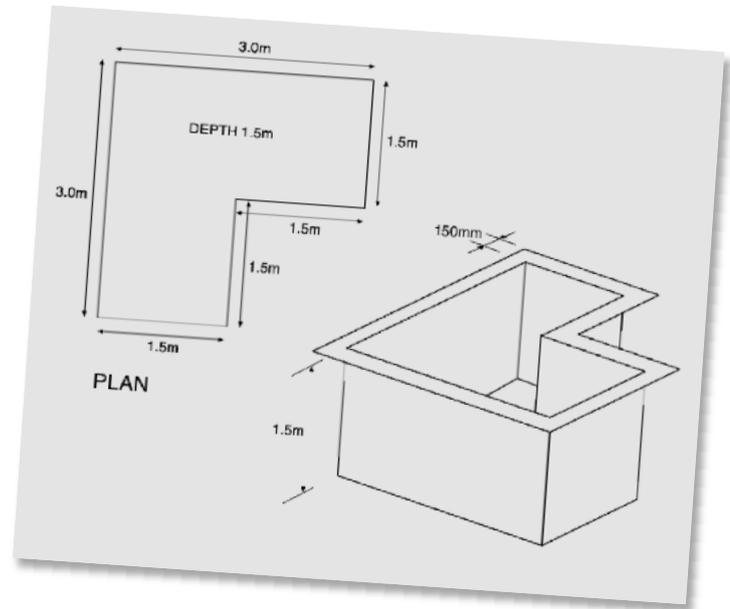
Sample sizes of large sheets
manufactured in one piece

21.0m x 60m
22.0m x 60m
23.0m x 60m
24.0m x 60m
25.0m x 60m
26.0m x 60m
28.0m x 60m
29.0m x 60m
30.0m x 60m
31.0m x 58m
32.0m x 56m
33.0m x 54m
34.0m x 52m
35.0m x 51m
36.0m x 50m
37.0m x 48m
38.0m x 47m
39.0m x 46m
40.0m x 45m

Tailor Made Liners

in Greenseal and Butyl

Box welded liners provide a neat solution where vertical sides and corners would result in ugly folds if a flat liner were used. We have supplied tailored liners for simple and complex formal ponds, tanks, rills etc. We fabricate to customer specifications on supply of a dimensioned sketch – our manufacturing lead time is generally three to five days.



PVC Pond Liner

0.5mm and 0.8mm

Economical but still a very high quality product, our PVC Pond Liner is suitable for small to medium sized ponds where budgets are limited to a minimum.

PVC Pond Liner 0.5mm Pre-cut sheet example sizes	
width x length	
2.0m x 2.0m	
2.0m x 2.5m	
2.0m x 3.0m	
3.0m x 3.0m	
All sizes in between at similar intervals	
7.0m x 8.0m	
8.0m x 8.0m	
8.0m x 10.0m	

PVC Pond Liner 0.5mm and 0.8mm Standard roll sizes

0.5mm width x length	0.8mm width x length
2.0m x 25.0m	2.0m x 25.0m
3.0m x 25.0m	3.0m x 25.0m
4.0m x 25.0m	4.0m x 25.0m
5.0m x 25.0m	5.0m x 25.0m
6.0m x 25.0m	6.0m x 25.0m
7.0m x 25.0m	7.0m x 25.0m
8.0m x 25.0m	8.0m x 25.0m
10.0m x 25.0m	10.0m x 25.0m
12.0m x 25.0m	

Geotextile Underlay

180gsm and 260gsm

Polypropylene Felt

TS60 and TS40 are mechanically bonded non-woven geotextiles made of UV stabilised polypropylene. Our geotextile underlays offer exceptionally high performance and provide a highly effective protective barrier between substrate and liner. We recommend that our underlay is

Geotextile Underlay

Standard rolls

TS40 180gsm	TS60 260gsm
2.0m x 25m	2.0m x 30.5m
2.0m x 200m	2.0m x 135m

used beneath all our liners, not only to help protect liners from penetration by sharp stones, roots, etc, but also to reduce excessive localised stretching of the liner.

Case Study: The Kolubara River Displacement Lazarevac, Serbia

The recent expansion of the 600 square kilometre Kolubara open coal pit required a five kilometre re-route of the Kolubara River.

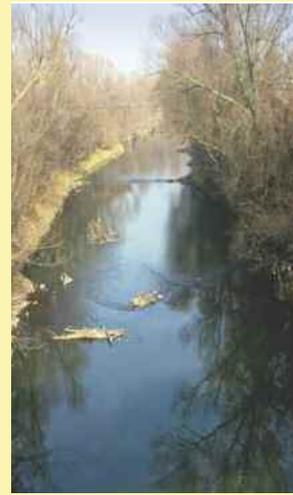
Final design of the riverbed and banks was completed in five sections and included a 120,000m² lake, which will serve as an ecological feature to help improve the area devastated by mining. The lake was constructed over an old ash waste disposal pit, the bottom being lined with 1m thick CCL and the steeper slopes with EPDM with protection Geotextiles and overlain with crushed stone armour protection.

Combinations of compacted clayliner (CCL) Greenseal EPDM and Geotextile were chosen to assure the design requirements. At the completion, approximately 100,000m² Greenseal and 200,000m² of Geotextile was installed along with over 265,000m³ of CCL to provide the requisite hydraulic seepage barrier. The EPDM lining was completed in March 2007 and the new river was opened in autumn of 2007.

Bank construction



Map of new riverbed



The Kolubara river



The new riverbed excavation



Panel placement



Further information

Please call us for advice, technical specifications and quotations.
See current price list for ordering, delivery requirements and full terms and conditions.

We are constantly striving to improve our products and value to our customers and therefore reserve the right to change product specifications without notice.



Gordon Low Products Ltd
Rookery Road
Wyboston, Bedford
MK44 3UG

Tel: 01480 405433
Fax: 01480 405434
info@gordonlowproducts.co.uk
www.gordonlowproducts.co.uk