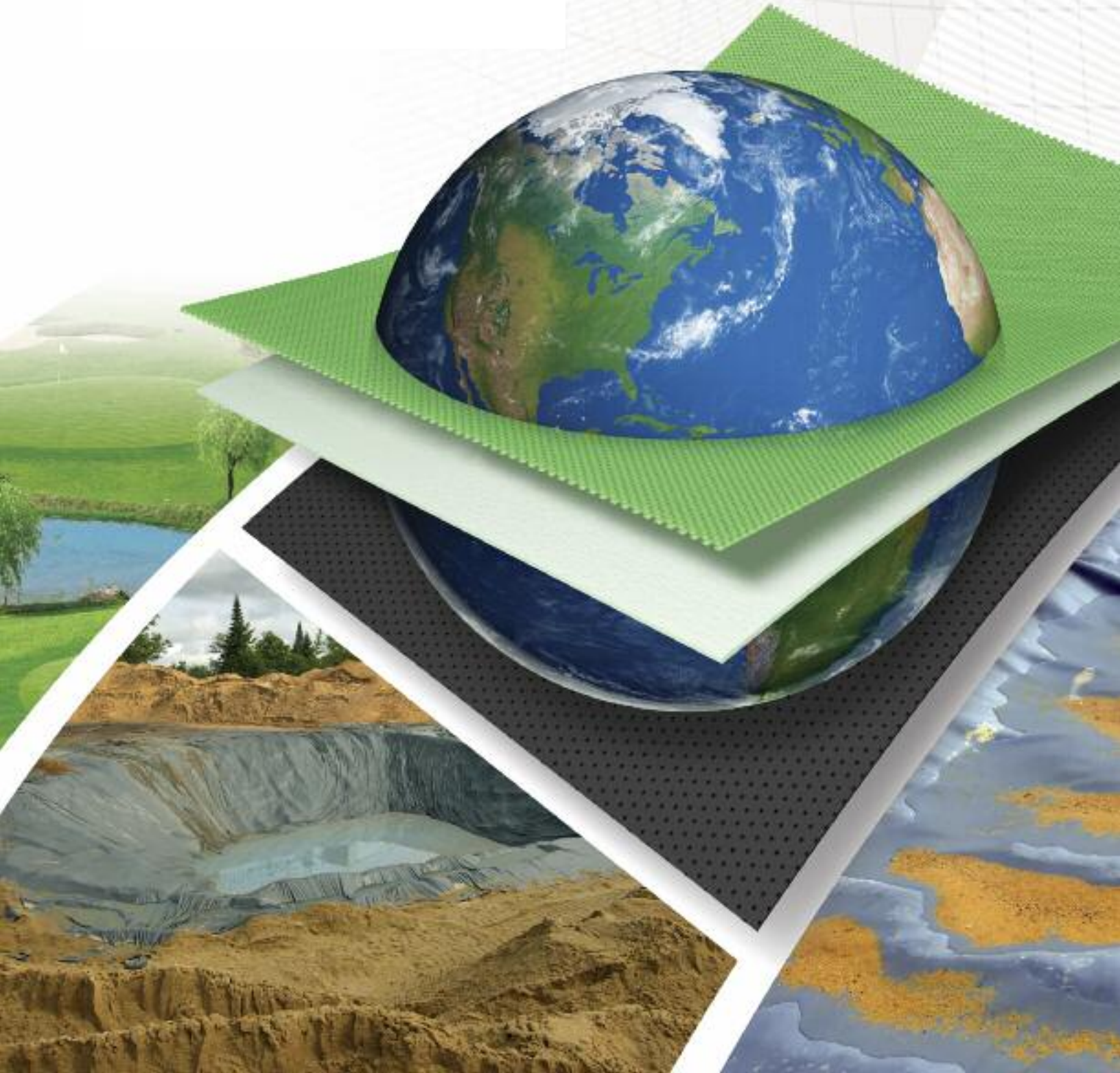


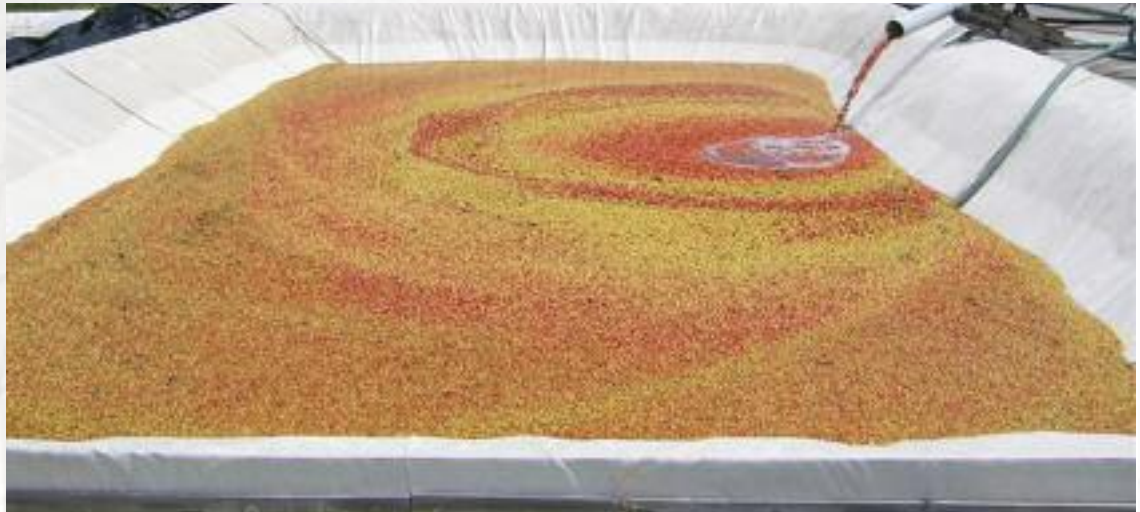


Plastatech[®]
Film, Fabrics, and Laminate Solutions

Contain. Control. Comply.



Contain almost anything. *Especially costs.*



By forming a flexible, durable barrier, Plastatech® geomembranes are highly effective at containing and controlling materials, runoff, chemicals, spills and more.

Our proven, reliable, thermoplastic barriers are the smart choice — helping you reduce installation and maintenance costs and protect the environment while complying with regulations.*

Plastatech geomembranes meet the intense, long-term durability and environmental challenges found in waste management, secondary containment, oil and natural gas and aquaculture industries. Plastatech can manufacture polyvinyl chloride (PVC) membranes that withstand extreme temperatures and UV

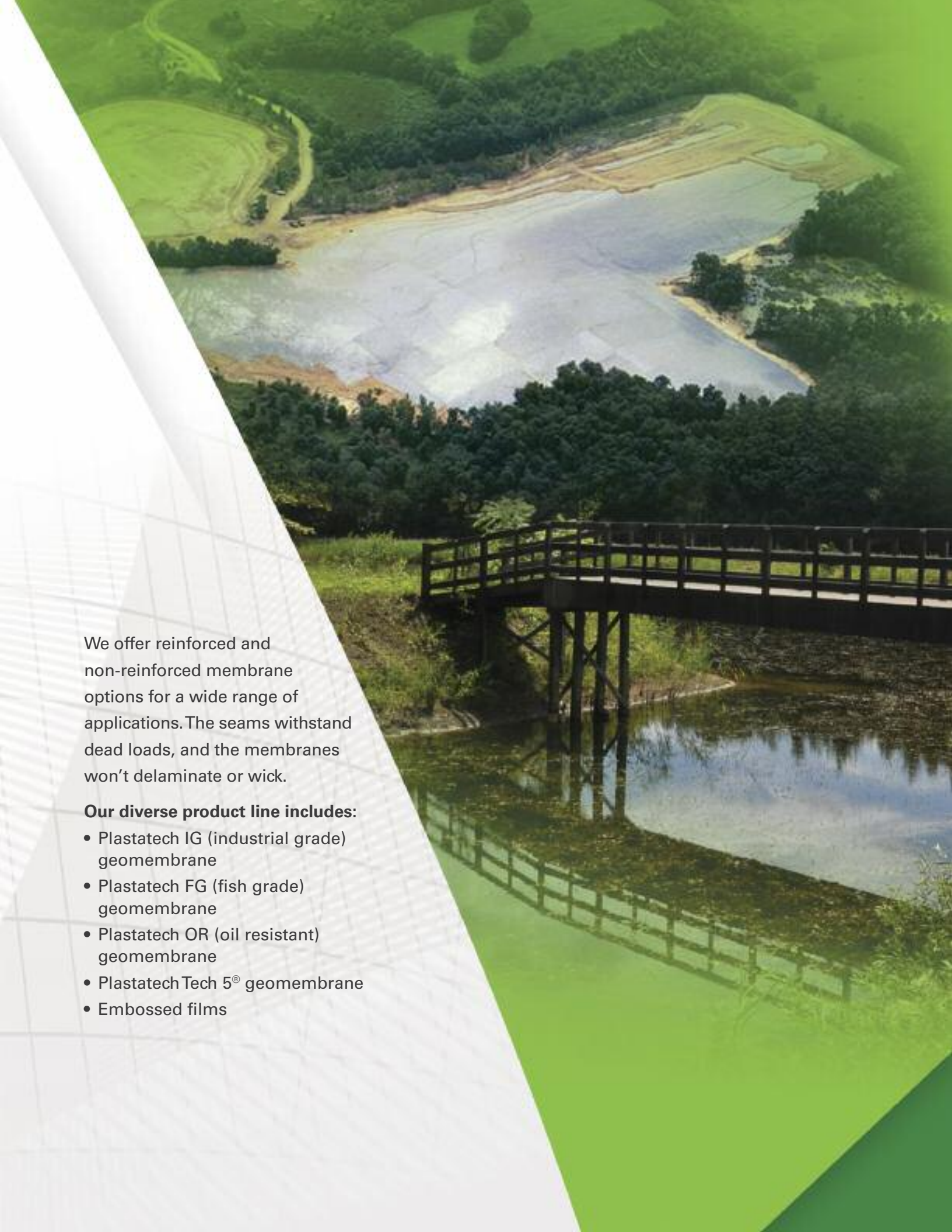
exposure, deliver exceptional tensile and puncture strength and resist harsh chemical attacks.

Greater flexibility. Greater control.

We developed our PVC geomembranes with maximum flexibility for ease of handling and installation. They are easily factory and field welded, which makes installation and maintenance easier and more cost-effective.

Made in the USA, our rugged geomembranes take on the toughest weather conditions in exposed or covered applications.

*Reference your local and federal containment regulations for complete compliance requirements.

An aerial photograph of a large, irregularly shaped pond or reservoir. The water is a light, silty brown color. A wooden bridge with dark railings spans across the lower right portion of the pond. The surrounding landscape is lush with green trees and vegetation. A large, white, semi-transparent geometric shape, resembling a stylized 'L' or a corner of a grid, is overlaid on the left side of the image, partially obscuring the pond and the text.

We offer reinforced and non-reinforced membrane options for a wide range of applications. The seams withstand dead loads, and the membranes won't delaminate or wick.

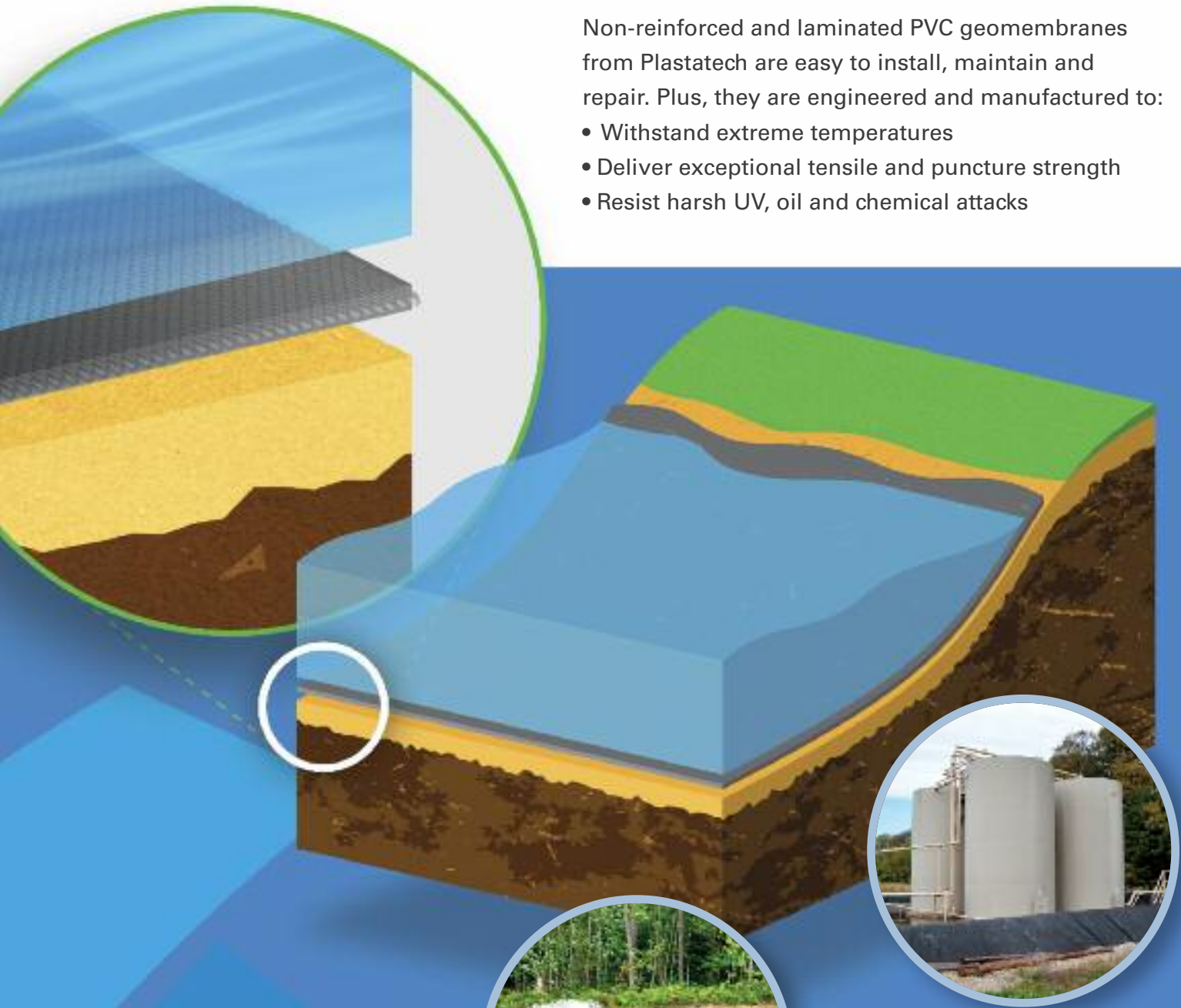
Our diverse product line includes:

- Plastatech IG (industrial grade) geomembrane
- Plastatech FG (fish grade) geomembrane
- Plastatech OR (oil resistant) geomembrane
- Plastatech Tech 5[®] geomembrane
- Embossed films

Plastatech geomembranes at work.

Non-reinforced and laminated PVC geomembranes from Plastatech are easy to install, maintain and repair. Plus, they are engineered and manufactured to:

- Withstand extreme temperatures
- Deliver exceptional tensile and puncture strength
- Resist harsh UV, oil and chemical attacks



Recreation



Transportation

And in control.



Landfill



*Non-Residential
Building
Construction*



Oil & Gas



*Non-Building
Construction*



Agriculture



Water Management



Mining



Energy



Plastatech IG (Industrial Grade) Geomembrane

Plastatech IG geomembrane was developed for applications like landfills, canals, ponds and other containment purposes. This geomembrane is formulated to withstand UV exposure, atmospheric pollutants and harsh chemicals commonly found in industrial settings.

Plastatech IG geomembrane offers excellent lay-flat characteristics and ASTM D7176 requirements.

Thickness:	10, 20, and 30-mil
Width:	76.25" / up to 108"
Color:	Black/Gray (other colors and embossed surface upon request)
Tensile breaking strength (ASTM D882), lb./inch:	<ul style="list-style-type: none">• 10-mil: 24 min.• 20-mil: 48 min.• 30-mil: 73 min.• 40-mil
Applications:	<ul style="list-style-type: none">• Landfill liners and caps• Secondary containment• Wastewater containment• Containment ponds• Canals

Find complete information on typical properties and testing data for our geomembrane products at Plastatech.com.





Plastatech FG (Fish Grade) Geomembrane

Plastatech FG geomembrane is designed for aquatic environments, such as fisheries, fish ponds and landscaping applications.

This geomembrane provides unsurpassed tensile strength and flexibility, making it easy to install in irregularly contoured areas.

Plastatech FG geomembrane passes the FBP-1094 chronic toxicity testing.

Thickness:	20-mil 30-mil (other thicknesses upon request)
Width:	76.25" / up to 108"
Color:	Black / Light Gray
Tensile breaking strength (ASTM D882), lb./inch:	• 30-mil: 73 min.
Applications:	<ul style="list-style-type: none">• Fisheries• Hatcheries• Food processing• Ponds• Cistern liners• Recreational fish ponds

Find complete information on typical properties and testing data for our geomembrane products at Plastatech.com.





Plastatech OR (Oil Resistant) Geomembrane

Plastatech OR geomembrane provides reliable containment for oils, fuels and harsh chemicals commonly found in industrial and oil refinery settings. This geomembrane was developed as a solution for primary and secondary containment of oil products and industrial chemicals.

Plastatech OR geomembrane offers enhanced chemical resistance and maximum flexibility, elongation and tensile strength for long-term design performance in accordance with ASTM D1203.

Thickness:	30-mil (other thicknesses upon request)
Width:	76.25 inches
Color:	Gray
Tensile breaking strength (ASTM D882), lb./inch:	• 30-mil: 73 min.
Applications:	<ul style="list-style-type: none">• Primary and secondary containment• Chemical holding basins• Oil field storage• Crude oil storage• Fuel tank storage facilities• Landfill liners and caps• Wastewater lagoons• Industrial lagoons

Find complete information on typical properties and testing data for our geomembrane products at Plastatech.com.





Plastatech Tech 5[®]

Plastatech Tech 5 geomembrane helps shield the environment against harsh chemicals and other pollutants commonly found in landfills, reservoirs, chemical processing plants, refineries, manufacturing facilities and water treatment operations. Tech 5 meets the challenges found in high-stress applications requiring protective barriers, and can be easily installed in exposed work sites.

Tech 5 is reinforced with a high-tenacity, non-wicking, polyester scrim that provides exceptional dimensional stability, puncture resistance and long-term durability. Our proprietary process delivers a cohesive bond between the high-thread-count scrim and the films, creating a non-separable, long-lasting adhesion that will not delaminate.

Plastatech Tech 5 geomembrane consistently exceeds the various ASTM industry standards for these characteristics: breaking strength, tear strength, hydrostatic resistance, adhesion, puncture resistance, UV resistance and flexibility.

Thickness:	30-mil
Fabric weight:	5 oz/yd ²
Finished weight:	30 oz/yd ²
Color:	Black
Applications:	<ul style="list-style-type: none">• Wastewater containment• Secondary containment• Secondary lining• Landfill caps• Containment ponds

Find complete information on typical properties and testing data for our geomembrane products at Plastatech.com.





Quality: It starts with expertise and ends with control.

Research and development. Anything but ordinary.

At Plastatech, we know we can serve you best by taking the time to understand every aspect of your project. We take those extra steps because it helps us find exceptional solutions for even the most challenging customer applications.

This attention to detail has helped us meet your specialized needs with the right combinations of high-performance films, plasticizers for flexibility, scrims for reinforcement and additives to protect against UV degradation, aging, swelling, delamination and chemical degradation — as well as fungicides, biocides, antioxidants, carbon black or other components to suit specific applications.

This is how we have created a line of products including calendered films, laminates, weft-inserted textiles and industrial membranes.

Our Research & Development and Quality Control teams are highly trained at formulation and quality assurance to deliver tested and high-performance solutions. Performance tests include but are not limited to:

- Thermal analysis
- Rheometry
- Raman spectroscopy
- Accelerated weathering

All testing is done in our fully-equipped laboratory, to find the most cost-effective solutions to real-world situations.

Manufacturing experience sets it all in motion.

The proprietary Plastatech vertically integrated manufacturing process combines specially selected raw materials — coupled with hands-on expertise — to produce thermoplastic geomembrane products that perform beyond expectations.



Our laminators are capable of combining two layers of vinyl film with a layer of high-strength polyester scrim. Our proprietary lamination system imparts outstanding physical properties to all of our engineered products.

Plastatech produces vinyl film sheets using state-of-the-art calendering equipment. The computerized compounding and calender controls all aspects of the manufacturing process to produce consistent, high-quality films.

Quality. Control.

We subject our products to extensive quality-control testing by using the latest equipment available. For example, our in-house xenon-arc Weather-Ometer** and QUV*** accelerated weathering tester both provide valuable weathering data to help insure weathering performance.

As part of our quality assurance process, we combine continual in-line testing procedures during manufacturing with ongoing post-production audits. A certificate of analysis is available upon request for every product we manufacture.

Our products are also field-tested under extreme conditions and exposed to UV rays in various geographical locations and climates. Their outdoor performance is tested and validated through EMMAQUA** accelerated weathering and static weathering studies.

Customer support.

From start to finish, our scientists and technical experts are here to assist you. That may include helping you select the proper materials or products for your project, providing onsite manufacturing consultations, or recommending ideal welding applications. No matter what type of support you need, from formulation to testing and manufacturing; our goal is to ensure your total satisfaction.

**Registered trademarks of Atlas Material Testing Technology.

***Registered trademark of Q-Lab Corporation.



Having already developed the successful Duro-Last® single-ply roofing system, John R. Burt founded Plastatech® Engineering,

Ltd. in 1988 to manufacture a world-class roofing membrane — with the goal of controlling the quality by making it himself. The high-performance membrane that Plastatech supplies to Duro-Last helped make that roofing system become known as the “World’s Best Roof”® and a leader in thermoplastics.





For more information about Plastatech, give us a call or visit our website today.

800-892-9358

plastatech.com

Plastatech Engineering, Ltd. 725 W. Morley Drive | Saginaw, MI 48601 | Phone: 800-892-9358 | Fax: 989-754-1626

**Reference your local and federal containment regulations for complete compliance requirements.*

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Plastatech Corporate Booklet_8.3.16_V1 – PL090001

