



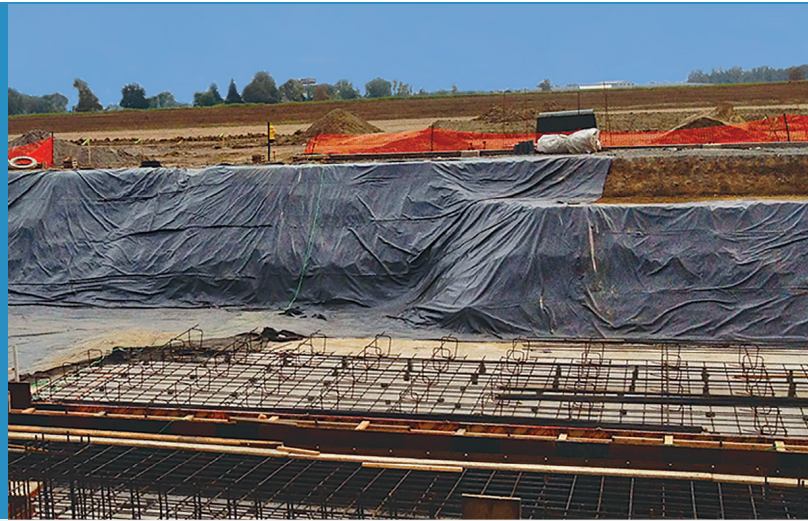
ERTHA PVC Series

POLYVINYL CHLORIDE GEOMEMBRANE LINER
PRODUCT DATA SHEETS

ERTHA™ IS A SERIES OF PRODUCTS WHOLLY-OWNED BY GEOSOLUTIONS, INC.

ERTHA PVC 20

20 mil PVC Geomembrane Liner



ERTHA PVC geomembranes were developed for applications such as landfills, canals, ponds and other containment purposes. They are formulated to withstand atmospheric pollutants and chemicals commonly found in industrial settings.

ERTHA PVC 20 is a non-reinforced PVC membrane that offers excellent lay-flat characteristics and meets PGI-1104 and ASTM D7176 requirements.

ERTHA PVC Series is available in 20, 30 and 40 mil thicknesses.

EASY INSTALLATION

- Landfill liners and caps
- Secondary containment
- Wastewater containment
- Containment ponds
- Canals

WARRANTY

Contact our GEO Pros for warranty details
fabrication@geosolutionsinc.com

INSTALLATION

ERTHA PVC 20 will perform satisfactorily when properly field fabricated and incorporated into an installation over a suitable base of pre-consolidated soil. The product can be installed with adhesive or thermally welded.

Contact GeoSolutions for installation instructions.

STORAGE

Store rolls lengthwise on pallets. Use tarps to keep rolls dry. Keep out of direct sunlight and weather.

ERTHA PVC 20

20 mil PVC Geomembrane Liner



PHYSICAL PROPERTIES

	TEST METHOD	UNITS	20 MILS
Thickness	ASTM D5199	mils	20.0 ± 5%
Specific Gravity	ASTM D792		1.20 min
TENSILE PROPERTIES			
Breaking Strength	ASTM D882	lbf/in.	48 min.
Elongation at Break		%	360 min.
100% Modulus		lbf/in.	20 min.
Tear Resistance	ASTM D1004	lbf	6.0 min.
Low Temperature	ASTM D1790		Pass at -14.8° F (-26° C)
Dimensional Stability	ASTM D1204	%	4 max.
Water Extraction	ASTM D1239	%	0.15 max.
Volatile Loss	ASTM D1203	%	0.9 max.
RESISTANCE TO SOIL BURIAL			
Breaking Strength	ASTM G160	% change	5 max.
Elongation at Break		% change	20 max.
100% Modulus		% change	20 max.
Hydrostatic Resistance	ASTM D751 Procedure A	psi	68 min.

PACKAGING AND COLOR OPTIONS

Available Sizes

ERTHA PVC 20 is available in black and gray. GeoSolutions offers custom fabrication to meet the specifications of your project site.

For custom sizes, contact our GEO Pros

fabrication@geosolutionsinc.com

The information provided by GeoSolutions is based on our manufacturer's research and is considered accurate, but we do not provide any warranty, expressed or implied, regarding the accuracy of this data or the results obtained from its use. The presented values are typical data and are not intended as limiting specifications. They represent the minimum expected measurements at the time of manufacture and are subject to revision as additional knowledge and experience are gained. Please contact a GEO Pro for additional information on warranties or values presented. We also do not guarantee that any use of this information will not infringe upon any patent. It is the sole responsibility of the user to determine the suitability and use of the information and materials provided for their specific application. GeoSolutions is not an installer of geosynthetic membranes, and the information is only provided as a guideline and not as an authority. GeoSolutions will not be held liable for the installation of geosynthetic membranes by others. Our standard terms and conditions of sale apply to all orders, and we exclude all liability for damages, including consequential damages exceeding the purchase price. No one is authorized to make oral warranties on our behalf, and we reserve the right to make changes without notice or obligation in our products and publications.



ERTHA PVC 30

30 mil PVC Geomembrane Liner



ERTHA PVC geomembranes were developed for applications such as landfills, canals, ponds and other containment purposes. They are formulated to withstand atmospheric pollutants and chemicals commonly found in industrial settings.

ERTHA PVC 30 is a non-reinforced PVC membrane that offers excellent lay-flat characteristics and meets PGI-1104 and ASTM D7176 requirements.

ERTHA PVC Series is available in 20, 30 and 40 mil thicknesses.

EASY INSTALLATION

- Landfill liners and caps
- Secondary containment
- Wastewater containment
- Containment ponds
- Canals

WARRANTY

Contact our GEO Pros for warranty details
fabrication@geosolutionsinc.com

INSTALLATION

ERTHA PVC 30 will perform satisfactorily when properly field fabricated and incorporated into an installation over a suitable base of pre-consolidated soil. The product can be installed with adhesive or thermally welded.

Contact GeoSolutions for installation instructions.

STORAGE

Store rolls lengthwise on pallets. Use tarps to keep rolls dry. Keep out of direct sunlight and weather.

ERTHA PVC 30

30 mil PVC Geomembrane Liner



PHYSICAL PROPERTIES

	TEST METHOD	UNITS	30 MILS
Thickness	ASTM D5199	mils	30.0 ± 5%
Specific Gravity	ASTM D792		1.20 min
TENSILE PROPERTIES			
Breaking Strength	ASTM D882	lbf/in.	73 min.
Elongation at Break		%	380 min.
100% Modulus		lbf/in.	30 min.
Tear Resistance	ASTM D1004	lbf	8.0 min.
Low Temperature	ASTM D1790		Pass at -20.2° F (-29° C)
Dimensional Stability	ASTM D1204	%	3 max.
Water Extraction	ASTM D1239	%	0.15 max.
Volatile Loss	ASTM D1203	%	0.7 max.
RESISTANCE TO SOIL BURIAL			
Breaking Strength	ASTM G160	% change	5 max.
Elongation at Break		% change	20 max.
100% Modulus		% change	20 max.
Hydrostatic Resistance	ASTM D751 Procedure A	psi	100 min.

PACKAGING AND COLOR OPTIONS

Available Sizes

ERTHA PVC 30 is available in black and gray. GeoSolutions offers custom fabrication to meet the specifications of your project site.

For custom sizes, contact our GEO Pros

fabrication@geosolutionsinc.com

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ERTHA PVC 40

40 mil PVC Geomembrane Liner



ERTHA PVC geomembranes were developed for applications such as landfills, canals, ponds and other containment purposes. They are formulated to withstand atmospheric pollutants and chemicals commonly found in industrial settings.

ERTHA PVC 40 is a non-reinforced PVC membrane that offers excellent lay-flat characteristics and meets PGI-1104 and ASTM D7176 requirements.

ERTHA PVC Series is available in 20, 30 and 40 mil thicknesses.

EASY INSTALLATION

- Landfill liners and caps
- Secondary containment
- Wastewater containment
- Containment ponds
- Canals

WARRANTY

Contact our GEO Pros for warranty details
fabrication@geosolutionsinc.com

INSTALLATION

ERTHA PVC 40 will perform satisfactorily when properly field fabricated and incorporated into an installation over a suitable base of pre-consolidated soil. The product can be installed with adhesive or thermally welded.

Contact GeoSolutions for installation instructions.

STORAGE

Store rolls lengthwise on pallets. Use tarps to keep rolls dry. Keep out of direct sunlight and weather.

ERTHA PVC 40

40 mil PVC Geomembrane Liner



PHYSICAL PROPERTIES

	TEST METHOD	UNITS	30 MILS
Thickness	ASTM D5199	mils	40.0 ± 5%
Specific Gravity	ASTM D792		1.20 min
TENSILE PROPERTIES			
Breaking Strength	ASTM D882	lbf/in.	97 min.
Elongation at Break		%	430 min.
100% Modulus		lbf/in.	40 min.
Tear Resistance	ASTM D1004	lbf	10.0 min.
Low Temperature	ASTM D1790		Pass at -20.2° F (-29° C)
Dimensional Stability	ASTM D1204	%	3 max.
Water Extraction	ASTM D1239	%	0.2 max.
Volatile Loss	ASTM D1203	%	0.5 max.
RESISTANCE TO SOIL BURIAL			
Breaking Strength	ASTM G160	% change	5 max.
Elongation at Break		% change	20 max.
100% Modulus		% change	20 max.
Hydrostatic Resistance	ASTM D751 Procedure A	psi	120 min.

PACKAGING AND COLOR OPTIONS

Available Sizes

ERTHA PVC 40 is available in black and gray. GeoSolutions offers custom fabrication to meet the specifications of your project site.

For custom sizes, contact our GEO Pros

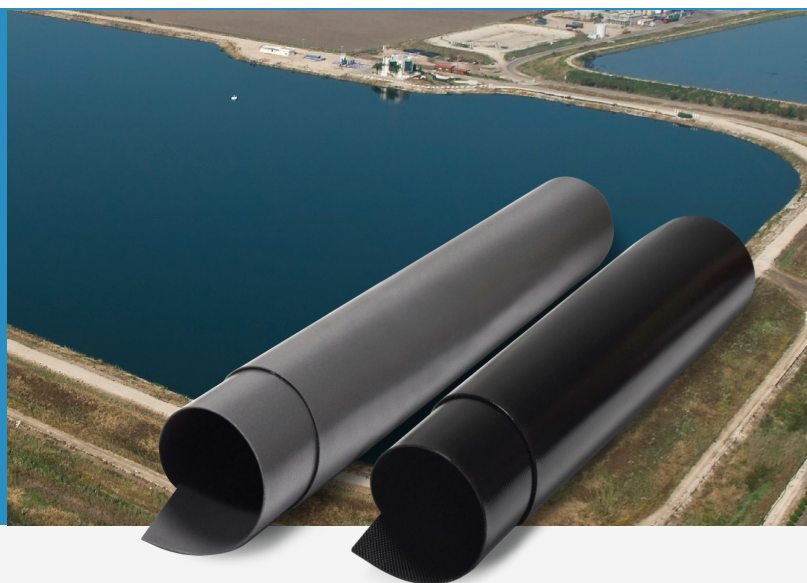
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ERTHA PVC FG Series

PVC Fish-Grade Geomembrane Liners



ERTHA PVC FG geomembranes are non-reinforced PVC membranes designed for use in aquatic environments and landscaping applications. They combine strong tensile strength and flexibility with excellent lay-flat characteristics, making the geomembranes easy to install in irregularly contoured areas.

Ideal for aquaculture ponds and other aquatic environments, ERTHA PVC FG Series is available in black and light gray, and produced in 20-mil and 30-mil thickness.

EASY INSTALLATION

- Fisheries
- Hatcheries
- Food processing
- Ponds
- Cistern liners
- Recreational fish ponds

WARRANTY

Contact our GEO Pros for warranty details
fabrication@geosolutionsinc.com

INSTALLATION

ERTHA PVC FG will perform sufficiently when properly fabricated by the installing contractor and incorporated into an installation over a suitable base of pre-consolidated soil. The product can be installed with adhesive or thermally welded.

Contact GeoSolutions for installation instructions.

STORAGE

Store rolls lengthwise on pallets. Use tarps to keep rolls dry. Keep out of direct sunlight and weather.

PVC FG Series

PVC Fish-Grade Geomembrane Liner



PHYSICAL PROPERTIES

	TEST METHOD	UNITS	20 MILS	30 MILS
Thickness	ASTM D5199	mils	20.0 ± 5%	30.0 ± 5%
Specific Gravity	ASTM D792		1.20 min	1.20 min
TENSILE PROPERTIES				
Breaking Strength	ASTM D882	lbf/in.	48 min.	73 min.
Elongation at Break		%	360 min.	380 min.
100% Modulus		lbf/in.	20 min.	30 min.
Tear Resistance	ASTM D1004	lbf	6.0 min.	8.0 min.
Low Temperature	ASTM D1790		Pass at 5° F (-15° C)	Pass at -9.4° F (-23° C)
Dimensional Stability	ASTM D1204	%	4 max.	3 max.
Water Extraction	ASTM D1239	%	0.15 max.	0.15 max.
Volatile Loss	ASTM D1203	%	0.9 max.	0.7 max.
Hydrostatic Resistance	ASTM D751 Procedure A	psi	68 min.	100 min.

PACKAGING AND COLOR OPTIONS

Available Sizes

ERTHA PVC FG Series is available in black and gray. GeoSolutions offers custom fabrication to meet the specifications of your project site.

For custom sizes, contact our GEO Pros

fabrication@geosolutionsinc.com

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