

PVC GEOMEMBRANE LINER PANELS

GEOSYNTHETICS

LINER PANELS CAN BE PRE-FABRICATED TO REDUCE COSTS AND INSTALLATION TIME

PVC liner is a highly impermeable liner with high malleability. It is one of the most trusted materials for the containment of water, chemicals and waste in the industry.

In addition to offering standard liner, ACF is able to pre-fabricate liner panels to a variety of sizes. Prefabricated panels can reduce or eliminate the necessity to weld liner in the field, reducing installation time. Our pre-fabricated panels are welded by our experienced team in our Richmond, VA facility.

APPLICATIONS:

- Canals and channels
- Reservoirs, ponds, lakes, and streams
- Hazardous containment
- Landfills
- Coal ash ponds
- Hydraulic fracturing
- Stormwater management systems
- Decorative ponds and water features

ADVANTAG-

- Pre-fabricated liner saves install time in the field
- Easy installation
- Strong durable material
- High flexibility and elongation
- Design versatility
- Resistance to harsh elements & weather

SIZING:

Standard Liner:

- 10' x 200'
- 10' x 750'

Prefabricated Liner:

- 10' width, up to 750' length
- 19.58' width, up to 150' length
- 29.17' width, up to 100' length
- 38.75' width, up to 100' length
- 48.33' width, up to 100' length
- 57.92' width, up to 100' length



30 MIL PVC SPECIFICATIONS

| PHYSICAL PROPERTIES | TOLERANCE | METHOD | 30 Mil (*1 Ply) |
|-----------------------------------|-----------|--------|-----------------|
| Grab Tensile Strength | lb/in | D882 | 73 |
| Tensile Elongation | % | D882 | 380 |
| Tensile Modulus | lb/in | D882 | 32 |
| Tear Strength | lb | D1004 | 8 |
| Dimensional Stability | % | D1204 | 3 |
| Low Temperature Impact | C | D1790 | -29 |
| Specific Gravity (Minimum) | g/cc | D792 | 1.20 |
| Water Extraction % Loss Maximum | % | D792 | 0.15 |
| Avg. Plasticizer Molecular Weight | - | D2124 | 400 |
| Volatile Loss | % | D1203 | 0.7 |
| Soil Burial Break Strength | % | G160 | 5.0 |
| Soil Burial Elongation | % | G160 | 20 |
| Soil Burial Elongation at 100% | % | G160 | 20 |
| Hydrostatic Resistance | Psi | D751 | 100 |
| Seam Shear Strength | lb/in | D882 | 58.4 |
| Seam Peel Strength | lb/in | D882 | 15 |

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ACF can create **custom pre-fabricated liner** to meet your site needs. All of our liners are shipped with installation instructions and a quality control testing sheet