

PLASTATECH[®] OR OIL RESISTANT GEOMEMBRANE

DESCRIPTION:

Plastatech[®] OR geomembrane provides reliable containment for oils, fuels and chemicals commonly found in industrial and oil refinery settings. It is a solution for primary and secondary containment of oil products and industrial chemicals.

Plastatech OR is a non-reinforced PVC membrane that offers enhanced chemical resistance and maximum flexibility, elongation and tensile strength for long term design performance in accordance with ASTM D1203. It is produced in a 30-mil thickness.

USES:

- 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

PACKAGING AND COLOR OPTIONS:

• Available sizes

- Common roll sizes are listed below. Contact Plastatech for custom sizes.

| Thickness | Width | Length | Roll Area | Approx. Weight |
|-----------|---------|----------------------|---------------|----------------|
| 30 mils | 76 in. | 300 yd. (900 ft.) | 5,700 sq. ft. | 1,100 lb. |
| | 108 in. | 210 yd. (630 ft.) | 5,670 sq. ft. | 1,095 lb. |

• Available colors

- Gray
- Black



INSTALLATION:

Plastatech OR will perform satisfactorily when properly field fabricated and incorporated into an installation over a suitable base of pre-consolidated soil.

Contact Plastatech for installation instructions.

WARRANTY:

Contact Plastatech for warranty details.

STORAGE:

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

PHYSICAL PROPERTIES:

Plastatech OR has been subjected to the following tests.

| | Test Method | Units | 30-mil |
|------------------------|-----------------------|---------|--------------------------|
| Thickness | ASTM D5199 | mils | 30.0 ± 5% |
| Specific Gravity | ASTM D792 | | 1.20 min. |
| Tensile Properties | | | |
| Breaking Strength | | lbf/in. | 73 min. |
| Elongation at Break | ASTM D882 | % | 350 min. |
| 100% Modulus | | lbf/in. | 32 min. |
| Tear Resistance | ASTM D1004 | lbf | 8.0 min. |
| Low Temperature | ASTM D1790 | | Pass at 10.4° F (-12° C) |
| Dimensional Stability | ASTM D1204 | % | 3 max. |
| Water Extraction | ASTM D1239 | % | 0.15 max. |
| Volatile Loss | ASTM D1203 | % | 0.5 max. |
| Hydrostatic Resistance | ASTM D751 Procedure A | psi | 100 min. |

| Chemical | Effect |
|-------------------|--------|
| ASTM Fuel A | C |
| Diesel Fuel | C |
| Gasoline | M |
| Jet Fuel | C |
| Kerosene | C |
| Crude Oil | C |
| Motor Oil | C |
| Hydraulic Oil | C |
| Corn Oil | C |
| Methanol | C |
| Ethanol | C |
| Isopropyl Alcohol | C |
| Ethyl Glycol | C |
| Heptane | C |

| Chemical | Effect |
|---------------------------|--------|
| Chlorine Bleach | C |
| Methyl Ethyl Ketone (MEK) | I |
| Toluene | I |
| Xylene | I |
| Tetrahydrofuran (THF) | I |
| Mineral Spirits | C |
| Hydrochloric Acid (20%) | C |
| Sulfuric Acid (20%) | C |
| Phosphoric Acid | C |
| Distilled Water | C |
| Deionized Water | C |
| Municipal Water | C |
| Sea Water | C |
| Waste Water | C |

Key: C = Compatible M = Moderately Compatible I = Incompatible