

Polypropylene Installation Guide

1. Handling and Storage:

- A. Polypropylene panels are shipped in palletized boxes, which are inspected before leaving the factory. Any visible damage to the shipment should be noted on the freight receipt and project records.
- B. The Polypropylene should remain packaged in dry storage until ready for use.
- C. The pallets should not be stacked.

2. Panel Placement and Seaming.

- A. The area to be lined should be smooth and free of sharp objects that could puncture the membrane. All vegetation, roots and grasses should be removed. Any cracks or voids should be filled.
- B. The panels should not be unfolded under extreme cold or windy conditions.
- C. Care must be taken when the Polypropylene panels are deployed. Sharp objects, hard bottom shoes, vehicles and equipment should not come in contact with the material.
- D. The Polypropylene liner should be placed in a relaxed condition, free of stress or tension. The panels should be positioned so that there is a nominal 4-inch seam overlap.
- E. The contact surfaces of the two sheets should be wiped clean to remove all dirt, dust, moisture or other foreign materials.
- F. Field seams are made by thermal fusion bonding. The welding machine should be set to the pre-determined temperature and speed. A trial seam should then be made and tested to verify these settings. The machine settings should be adjusted accordingly. Throughout the seaming operation occasional adjustments of temperature or speed as the result of changing ambient conditions may be necessary to maintain a consistent seam. A 1.5 inch nominal seam width is required for single-track welds. Dual track weld should have two 0.5-inch nominal seams separated by an air test channel.

3. Repairs to Liner:

- A. Any cuts, rips or tears in the Polypropylene membrane should be patched with a piece of the same membrane material. Patches should be

cut with rounded corners and should overlap the damaged area a minimum of 3 inches

B. Patches are applied with a hand held heat gun and roller. The patch and damaged membrane area should be clean and dry. The heat gun should be inserted between the patch and the membrane liner, heating the surfaces of each to a molten state. Steel roller pressure over a hard surface should be applied during the heating process in such a way as to smooth out any wrinkles while mating both surfaces.

[Back To Polypropylene Table Of Contents](#)

[Back To Geomembranes Page](#)

[Back To Products Page](#)

[Pond Liner Calculator](#)

[HOME](#) | [PRODUCTS](#) | [SPECIALS](#) | [RELATED INFORMATION](#)
[CONTACT US!](#) | [WHAT'S NEW](#) | [ABOUT](#)

GeoCHEM, Inc. Business Page © 1997 - 2005 GeoCHEM, Incorporated All Rights Reserved.
Visit Often for Our Latest Page Developments And Updates! Last Updated: 05/10/06 03:47:28 PM