PVC Geomembrane Field Seaming Guide

1.0 General

1) This guideline covers general field seaming of PVC geomembranes.
2) Where contradictions occur follow the instructions of the project engineer.

2.0 Clean the Geomembrane

1) Thoroughly clean both surfaces using a clean cotton rag.
   a) Each surface should be free from dirt, dust and moisture.

3.0 Apply Seaming Agent

1) Apply a ¼ to ½ inch bead of seaming agent to a 3 foot long section of geomembrane.
   a) Spread with a clean cotton rag.
      i) The covered width will be approximately 1 to 2 inches from the end of the geomembrane.

4.0 Overlap Geomembrane

1) Lay the top sheet onto the bottom sheet.
   a) Overlap the geomembrane a minimum of 6 inches.
   b) Be sure the membranes are lying flat on each other.
2) Apply pressure with a seam roller to help evenly distribute the seaming agent.
   a) Wipe excess using a clean cotton rag.

5.0 Allow to Cure

1) Allow 24 hours to dry.
2) Maximum seam strength will occur over time.
   a) Temperature and humidity impact the timeline.

6.0 Seaming in the Cold

1) Seaming PVC in cool or cold conditions requires the use of a heat gun to warm the membrane.
   a) Preheat the seam area.
   b) Follow steps 1.0 through 4.0.
7.0 Visual Inspection

1) Visually inspect seams for irregularities.
   a) Where lipping occurs, apply additional seaming agent on the top sheet and press with roller.
   b) Should any large problem areas exist, apply a patch in accordance with steps 1.0 through 4.0.

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