Inhouse Production of Geomembranes

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Application Photos

1. A stadium with covers over the seating area.
2. A landfill landscape.
3. A wide view of a lake with windmills in the distance.
4. A close-up of ground cover materials.
Materials That Are Weldable

- PVC
- Polypropylene
- Special Blends (XR5)
- Polyethylene (HDPE)
- Polyurethane
- Blown or Extruded Film
- Non Wovens
Advantages Of Factory Fabricated Geomembranes

• Improved seam quality and consistency
  • Menu Memory Settings
  • Repeatable Quality
  • Less field testing and patching required
  • Better Heat Speed and Pressure Controls
• Prefabricated panels greatly reduce field installation time
• Less equipment and crew needed – Reduced Labor
• Make larger rolls into smaller rolls for easier infield delivery
• Less Space required advances in material handling
Prefabricated Panel Installation SAVINGS

Prefabricated Geomembrane 40 mil LLDPE 0.195 lbs/ft²

- 400 ft (122m)
- 3m (9.8ft) 3m (9.8ft) 3m (9.8ft) 3m (9.8ft) 3m (9.8ft)
- 15m (49ft)
- Prefabricated panel / roll weight 3960 lbs (1800kg)

weldmaster.com
Assembled & Packaged

Prefabricated Geo panels are heat welded and Z folded on a pallet or rolled.

Z folded and rolled panels stored and ready to be shipped to a job site.
Prefabricated Panels Being Deployed
Bi-Directional – TG3600

Travels up and down a track welding and laying material down one layer at a time

- Reduces material handling
- No wasted machine movement
- Continuous roll production
Moduline

- Weld multiple rolls together simultaneously
- Multiple options available – Folding, Cutting, Rewinding, Unwinding & Multiple Heads
TG Series

**TG3600**
Efficiently produces any size liner or cover, no pre-pulling, no folding, no excessive handling

**TGS3600**
Welding and pulling system designed to increase production and eliminate fabric handling
GRW2400 Rewind

- Quickly roll up liners for shipment on the GRW2400 capable of rewinding a roll up to 4.53 tons (10,00 lbs)
- Minimal labor and time.
Seamvision

Comprehensive Quality Assurance Inspection System

- 95 individual measurements positions for precise measurement across any size seam
- Seam monitoring alarms to alert operators
- Consistent data output to excel for high level reporting
Ask Me Anything!
Thank You!