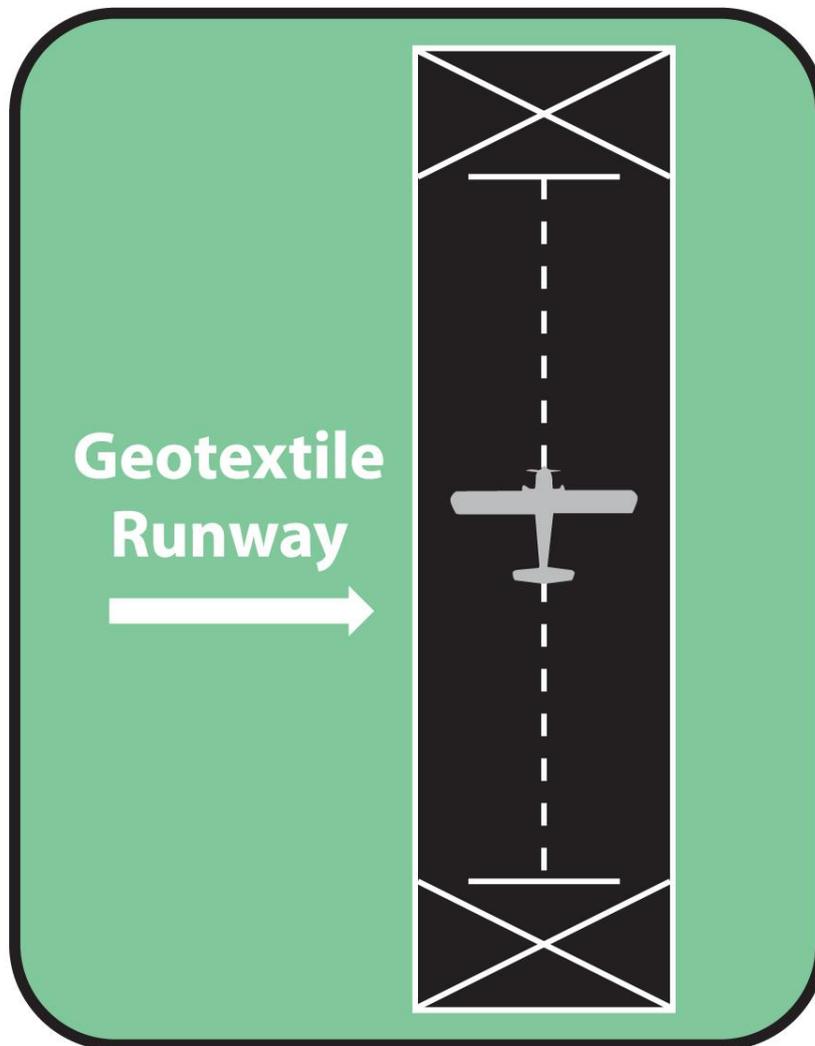




Construction Geosynthetics

Aeromodeling Runway Geotextile Installation Guide

AEROMODEL



1.0 Prepare Runway Site

- 1) Existing Runway:
 - a) Compact area with a roller if required.
 - b) It is recommended to remove all weeds.
 - i) Apply a post-emergent weed killer such as Roundup®.
 - ii) Apply a pre-emergent weed killer such as Preen®.
 - c) Aeromodeling geotextile can be placed directly on grass if preferred.
- 2) New Runway
 - a) Grade the area level as possible.
 - b) Fill in low areas with suitable granular fill.
 - c) Remove all tree stumps and any protruding objects such as large rocks.
 - i) Fill the depressions with a suitable granular material.
 - d) Rake out bumps and rocks.
 - e) Compact area with a roller.
 - f) Make sure to establish a slight crown and allow for drainage to the sides.
 - g) Apply a pre-emergent weed killer such as Preen®.

2.0 Place Geotextile

- 1) Unroll the aeromodeling geotextile onto the prepared runway area.
- 2) Secure the geotextile by driving in sod staples to just slightly below grade level.
 - a) 6 or 12 inch are typically sufficient depending on the subgrade soil conditions.
 - b) Use staples every 18 inches.

3.0 Overlaps

- 3) Overlap geotextile edges 6 inches and glue or tape ends.
 - a) Some options include:
 - i) Black Jack® brand Emulsion Roof Coating.
 - ii) 3M™ #78 Spray Geotextile Adhesive.
 - iii) Loctite® Spray Adhesive Professional Performance.
 - iv) Tite Seal® Roof Deck Seam Tape.
 - (1) Tape is white, creating a white strip down the middle that many clubs prefer.

4.0 Miscellaneous

- 1) Often the geotextile will appear frayed on the ends.
 - a) This is a result of the manufacturing process.
 - b) This does not mean the geotextile is unraveling.
 - i) If the appearance is a concern, the ends can be CAREFULLY burnt off with an acetylene torch.
 - (1) Have a bucket of water or fire extinguisher handy. The geotextile can ignite.

5.0 Repair & Maintenance

Any damage to the geotextile should be repaired using a second piece with a minimum 3 foot overlap in all directions.

6.0 Storage

- 1) Aeromodeling geotextile rolls are wrapped in a UV protective cover.
- 2) If stored outdoors for a prolonged period, elevate the geotextile from the ground and cover with a tarpaulin or opaque plastic.
 - a) Insure rolls are adequately protected from:
 - i) Moisture
 - ii) Ultraviolet radiation
 - iii) Chemicals that are strong acids or bases
 - iv) Temperatures in excess of 140°F
 - v) Animal destruction

This material is presented for general information only. Always verify the suitability for a specific application with the project engineer. Where contradictions occur, follow the instructions of the project engineer. There is no implied or expressed warranty regarding the installation procedures or the geosynthetic products in this guide. Installation procedure and product choice is the sole responsibility of the contractor and contractor assumes all liability.