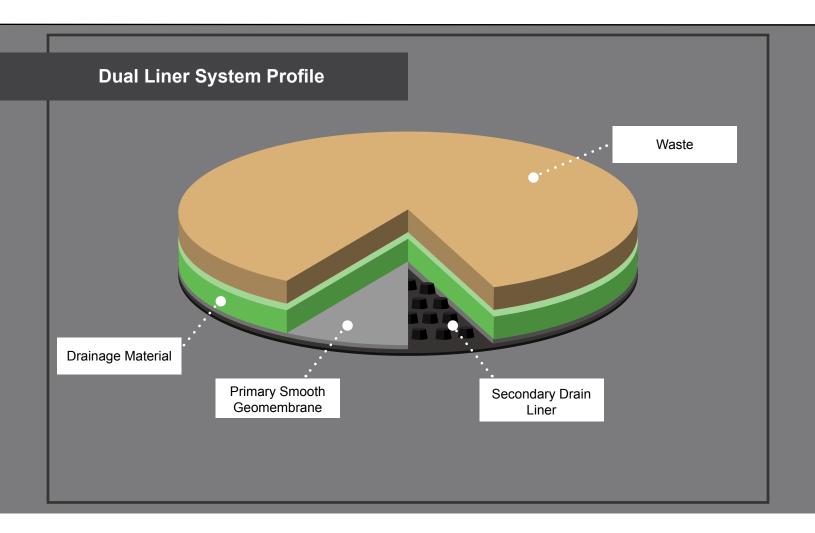
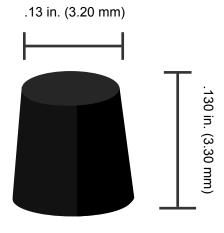


800-373-2478 DRAIN LINER







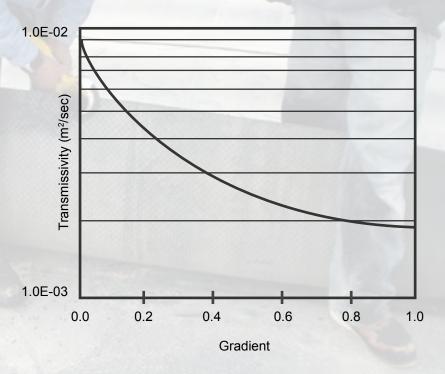
Benefits

- "Integrated Drainage System" (IDS)
- Consistent Pattern
- High Water Flow Rate
- Specify smooth or MicroSpike for bottom of liner surface
- Resistance to long term creep



Transmissivity Testing

Drain Liner/Smooth HDPE
Transmissivity under 15,000 psf
Normal stress
ASTM D4716

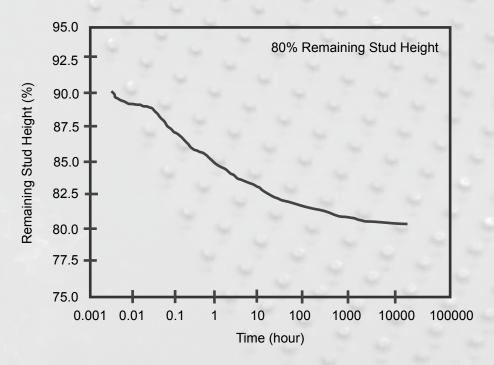


The in-plane drainage capacity of the Drain Liner used as either a primary or secondary liner is always higher than a conventional geonet due to the structure of the studs and stud spacing which results in a more laminar (less turbulent) flow and a constant bi-directional flow over time, with minimal reduction due to creep. Additionally, the Drain Liner allows flow at very low gradients due again to the stud spacing and integral design.

Detection of potential leaks is faster with a Drain Liner structure than with a conventional geonet which forms an indirect flow path due to the net structure. Also, reduction factors for the potential of chemical or biological clogging are less for a stud or Drain Liner structure due to the fact that the studs do not form intermediate dams or inhibit water flow.

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Long Term Creep Testing



Drain Liner 10,000 hour Creep
Testing under 15,000 psf
Normal stress
ASTM D5262

Thus, the Drain Liner is a Integrated Drainage System(IDS) which has decided advantages over conventional geonets:

- Installed in one layer as an integral drain with the primary or secondary liner (depending on installation): reduces installation time dramatically, reduces material and installation costs, less CQA cost, better consistency and bi-directional flow.
- Higher flow rates than a conventional geonet
- Minimal reduction for creep (80% retention under 15,000 psf loading)

- Less impact by chemical/biological clogging
- Faster response time for leak detection
- Studs totally integrated with the liner-single production process
- No waste due to cutting and fitting of geonet sections or discard of end of rolls
- Excellent fluid barrier
- Manufactured in the most modern plant meeting stringent quality control standards



Looking for more information?

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