
Instructions for use**Construction Specifications 98—Geosynthetic Clay Liner****1. Applicability**

Construction Specification 98 is applicable to the placement of geosynthetic clay liners in liquid containment systems to control seepage.

2. Material specifications

Material Specification 595, Geosynthetic Clay Liner, complements this specification.

Construction Specification 95, Geotextile, also complements this specification.

3. Included items

Items to be included in the contract Drawings and specifications follow:

- a. The maximum index flux of the geosynthetic clay liner. Geosynthetic Clay liners sandwiched between two geotextiles typically have an index flux of 1×10^{-8} m/s while those with a laminate or film have an index flux of 1×10^{-9} m/s.
- b. The required lines and grades of the liner subgrade and the cover layer, if applicable.
- c. Details of panel placement, orientation, and anchorage.
- d. Requirements of any cushioning material to be used and the material references for the same.
- e. Requirements for subgrade compaction.
- f. Requirements for under drains or interceptors and the associated materials.
- g. Details for any loading, unloading, or cleanout ramps.
- h. Details for pipe outlets or appurtenances to fit the liner to the outlet or inlet structures.

- i. Details for fences, ladders, or other safety features.
- j. Any special instructions related to the materials, installation, and onsite quality control testing.

4. Items of work and construction details

Starting at the top of page 98-2, prepare and outline job specific "Items of Work and Construction Details" (IWCD) in accordance with these instructions.

