
CONSTRUCTION SPECIFICATION
INSTRUCTION FOR USE
CS-I-OR-095 GEOTEXTILE

095.1 APPLICABILITY

Construction Specification CS-OR-095 is applicable for the installation of both woven and nonwoven geotextiles used for purposes of slope protection, subsurface drains, and stabilization of soils.

095.2 MATERIAL SPECIFICATIONS

The following material specification complements Construction Specification CS-OR-095.

- a) MS-OR-592--- Geotextile

095.3 INCLUDED ITEMS

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

- a) The purpose or use of the geotextile (i.e., slope protection) and the selection of class I, II, III, or IV, as appropriate, woven or nonwoven, (See National Technical Notes: Design [TN 210 DN 24](#), Guide for the Use of Geotextiles).
- b) The range of apparent opening size (AOS) for woven geotextiles. Any increase or change from those parameters shown in Tables 1 and 2 (TN_210_DN_24) that are desired and based on specific design data.
- c) Details of panel joining and splicing; i.e., seaming, overlap or folding (Method 1 or Method 2 in Section 095.5 Placement). Note: A panel represents pieces from a roll that have been seamed together to create the specified size and shape.
- d) The required roll width, when necessary.
- e) Details of panel placement, orientation, and anchorage, when necessary. Perimeter and toe anchorage details, as necessary. When the use of pins is acceptable as temporary anchorage, so specify.
- f) Requirements of cushioning or bedding material used to cover the geotextile to protect against damage during placement of surface material, such as rock riprap.
- g) Special installation requirements.

- h) Ultraviolet exposure requirements for conditions where the potential exposure is considered severe (use 500 hours). The 150-hour requirement listed in Tables 1 and 2 (TN_210_DN_24) is recommended for normal exposure conditions.

095.4 METHODS

Method 1 — Intended to be used when the primary use of the geotextile is to function as a filter and holes or "holidays" from anchoring pins might compromise the integrity of the installation.

Method 2 — Intended to be used when the primary use of the geotextile is to function as a bedding and as a separator of material. Seepage may be present, but the potential for piping in the base soil material is not a concern.

May also need to specify whether a, b, or c in the Included items apply.

095.5 ITEMS OF WORK AND CONSTRUCTION DETAILS

Starting at the top of page 095–4, prepare and outline job specific "Items of Work and Construction Details" (IWCD) in accordance with these instructions.