

LINQ GEOTEXTILE SPECIFICATIONS

INTRODUCTION

This manual describes several standard applications for Geotextiles. Each one is followed by a corresponding specification for the Geotextile that is best suited for that application. Since there are many types of Geotextile products (woven, nonwoven, spunbonded, etc.) that can be used successfully for a given project or application, the specifications are written to allow for a variety of products where appropriate.

Geotextiles have been successfully used in more than 80 specific application areas in the past 25 years. This guideline addresses some of the most common, including:

ROAD CONSTRUCTION/SUBGRADE STABILIZATION
DRAINAGE
EROSION CONTROL
SEDIMENT CONTROL/SILT FENCE
PREFABRICATED DRAINAGE COMPOSITES
WASTE RELATED APPLICATIONS

The use of geotextiles requires the materials to perform at least one of the following four basic functions after installation.

- Separation
- Filtration
- Drainage
- Reinforcement

Each of these applications can include a range of field conditions that will exert different levels of stress on the Geotextile used. Because of this, each application area has been divided into subsections with different specifications to address the particular field condition encountered.

The recommendations in this guideline have drawn upon a variety of resources including but not limited to :

- AASHTO M288 subsection on geotextiles
- ASTM test methods and standards of practice
- FHWA manuals and design course texts
- GRI (Geosynthetic Research Institute)
- Corps of Engineers
- Various state DOT's
- IFAI (the Industrial Fabrics Association International)

and over 25 years of field experience in Geotextile related construction.

Finally, most of the construction applications addressed here have been constructed in the past without the benefit of Geotextiles. The emergence of Geotextiles over the past 25 years has demonstrated, however, that today the correct way to construct these projects is to incorporate a geotextile, and to specify the right geotextile for the job. This manual will help you do that.

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