



LONGEVITY AND DURABILITY OF THE FLEX MSE SYSTEM

The Flex MSE System is designed to provide a permanent vegetated solution in soil retention and slope stability applications. In ideal conditions, the Flex MSE System is designed to meet project design life criteria of 120 years where full vegetated cover, screening all potential UV exposure, is achieved within 1,000 hours of Peak UV exposure after installation. The geotextiles used in the construction of a Flex MSE wall comply with all the relevant American Standards for Testing and Materials (ASTMs). These include:

ASTM 4355 UV Exposure

ASTM D4751, D4491 Drainage and Filtration

ASTM D5035 Standard Test Method for Breaking Force and Elongation of Textile Fabrics

ASTM D4595, D5262 Reinforcement

ASTM D4632, D4533, D4833 Long Term Design (survivability)

The face of the Flex MSE system is designed to become vegetated within one growing season. When it is first built, a growing medium is applied to the face protecting the geotextile bags from the elements. Once the vegetation becomes established, vegetation foliage protects the face while the vegetation root structure increases the system's structural strength.

Soils used for growing medium in the Flex MSE Bag Structure must be of reasonable quality to sustain and nurture vegetation.

Specific questions should be directed to Flex MSE at **by email to:** info@FlexMSE.com

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