

Geosynthetics Interest Group of South Africa

Established 1994

Geomembranes

A very low permeability geosynthetic membrane liner or barrier used with any geotechnical engineering related material so as to control fluid (or gas) migration in a human-made project, structure, or system. Geomembranes can either be smooth, one-sided textured or double-textured.

Plastomeric Geomembrane

A geomembrane manufactured from plastomeric polymers.

Elastomeric Geomembrane

A geomembrane manufactured from elastomeric polymers.

Bituminous Geomembrane

A geomembrane manufactured from natural bituminous materials.



Image: Geomembranes, Smooth (left) and Textured (right)

The above definitions are stated within the South African context.

Refer to ISO 10318:2018: Geosynthetics – Terms and definitions for formal definitions.