

Geosynthetics Interest Group of South Africa

Established 1994

Containment Function

“The use of a geosynthetic material to contain soil or sediments to a specific geometry and prevent their loss. The contained fill takes the shape of the inflated at-rest geometry of the geosynthetic container.”

Containment involves geomembranes, geosynthetic clay liners, or some geocomposites which function as liquid or gas barriers. Landfill liners and covers make critical use of these geosynthetics. All hydraulic applications (tunnels, dams, canals, surface impoundments, and floating covers) use these geosynthetics as well.



Image: Containment Function (agrinets.com)

The above definitions are stated within the South African context.
Refer to ISO 10318:2018: Geosynthetics – Terms and definitions for formal definitions.
IGS Reference.