

Geosynthetics Interest Group of South Africa

Established 1994

Geogrids

A planar, polymeric structure consisting of a regular open network of integrally connected tensile elements, which may be linked by extrusion, bonding or interlacing, whose openings are larger than the constituents, used in civil engineering applications (primarily for reinforcement applications).

Bonded Geogrid

A geogrid manufactured by bonding, usually at right angles, two or more sets of strands or elements.

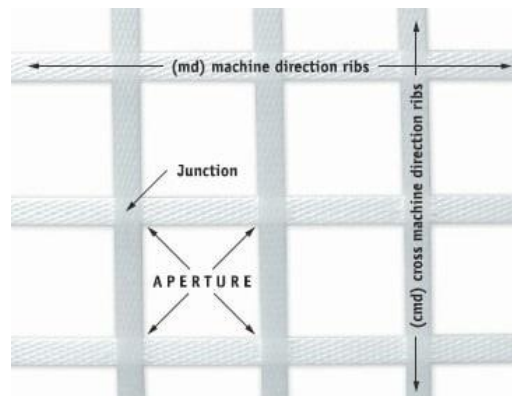


Image: Bonded Geogrids

Extruded Geogrid

A geogrid manufactured by extruding polymers and drawing in a sheet form.

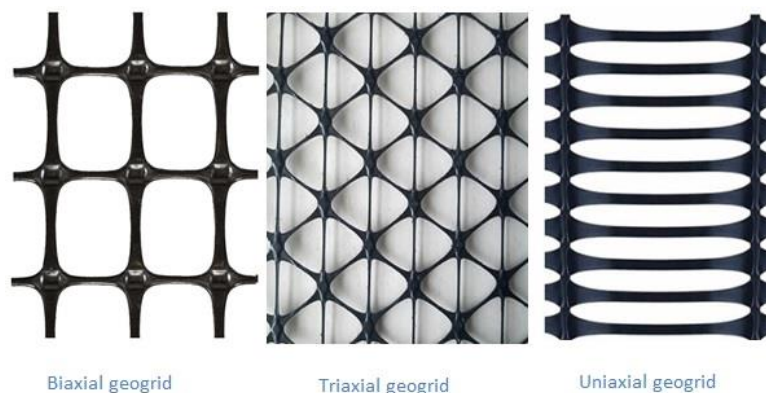


Image: Extruded Geogrids

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Woven Geogrid

A geogrid manufactured by weaving yarns or elements, usually at right angles to each other.



Image: Woven Geogrids

Knitted Geogrid

A geogrid manufactured by knitting together yarns or elements, usually at right angles to each other.



Image: Knitted Geogrids

The above definitions are stated within the South African context.

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