



HYDRANET™ - GEONET & GEOCOMPOSITE

PROVIDING LATERAL TRANSMISSION OF FLUIDS AND GASSES

Layfield's HydraNet™ is a cost-effective and environmentally conscious alternative to aggregate drains for various applications. HydraNet™ can effectively transmit fluids and gasses while taking up much less space compared to a sand, stone, or gravel layer. In double-lined containment applications, HydraNet™ is commonly used to create an interstitial space between two geomembrane liners as part of a leak detection system.

HydraNet™ geocomposites have a geotextile bonded to one or both sides of a geonet. The addition of laminated geotextile layers prevents the movement of soil fines into the drainage path that could otherwise lead to clogging and reduced drainage performance longer term. This geonet is manufactured in North America at our ISO 9001- certified facility.



OFFERS SEVERAL ADVANTAGES OVER TRADITIONAL DRAINAGE SYSTEMS

These advantages include improved hydraulic performance, increased resistance to clogging, and reduced installation time and costs.



USED IN VARIOUS GEOTECHNICAL APPLICATIONS

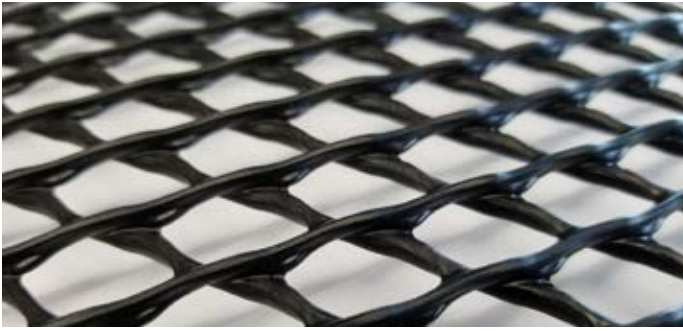
Applications include landfill liners and caps, road and railway construction, slope stabilization, and drainage systems.



MANUFACTURED IN OUR NORTH AMERICAN FACILITY

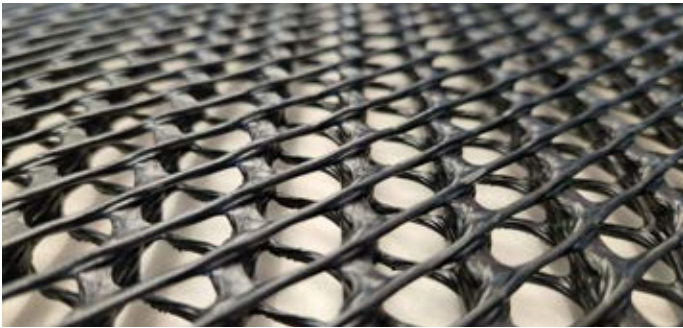
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HYDRANET™ GEONET & GEOCOMPOSITE VARIATIONS



▶ BIPLANAR GEONETS

Biplanar geonets are synthetic materials used in geotechnical engineering applications. They are manufactured with two layers of ribs oriented at an angle, allowing for improved drainage capacity.



▶ TRIPLANAR GEONETS

The primary difference between the biplanar and triplanar geonets is the flow capacity and higher compressive resistance. Triplanar geonets are made with two sets of parallel ribs separated by a central rib layer. This structure allows for channelized flow and higher drainage performance. The central ribs are designed to offer higher compressive strengths in challenging applications.



▶ BIPLANAR GEOCOMPOSITES

Biplanar geocomposites are comprised of a non-woven needle-punched geotextile laminated on either one or both sides of the geonet to prevent soil particles from clogging the drainage core.



▶ TRIPLANAR GEOCOMPOSITES

The 3 layer configuration prevents geotextile protrusion into the drainage core in a triplanar geocomposite, supporting a long-term drainage design solution.

FOR UP-TO-DATE
HYDRANET™
SPECIFICATIONS,
PLEASE SCAN
THE QR CODE.

