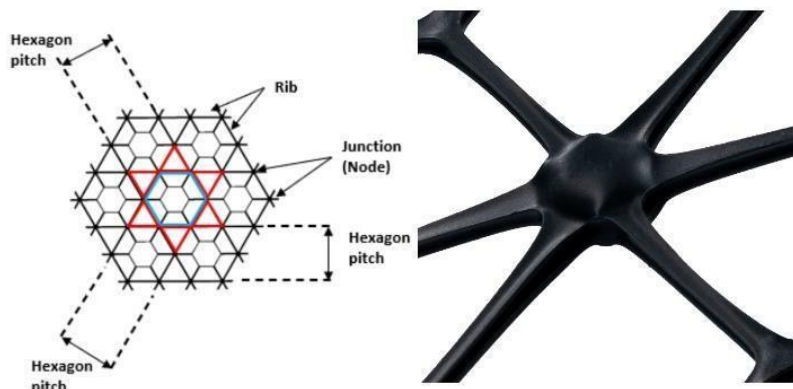


Product Data Sheet Tensar[®] HXL Geogrid

General

The Tensar H-Series geogrid is manufactured from an extruded, polymer sheet, which is then punched and stretched. The resulting structure consists of continuous and non-continuous ribs forming three aperture geometries (hexagon, trapezoid, and triangle) and an unimpeded suspended hexagon.



Tensar HXL Geogrid Plan View

Tensar HXL Perspective View

The Tensar H-Series geogrid uses the distinct stabilisation function as defined in ISO 10318 to minimise the movements of unbound granular material in road, rail and other trafficked areas. Extensive performance testing has demonstrated that when included as a component of a mechanically stabilised layer, the mechanical behaviour of the unbound layer is improved. The characteristics below allow product identification only.

Identification Properties ⁽¹⁾

General

<input type="checkbox"/> Aperture shapes	Hexagonal, Trapezoidal, & Triangular
<input type="checkbox"/> Structure	Integrally Formed
<input type="checkbox"/> Rib shape	Rectangular
<input type="checkbox"/> Continuous parallel rib pitch, mm	120
<input type="checkbox"/> Rib aspect ratio ⁽²⁾	> 1.0
<input type="checkbox"/> Node thickness, mm	4
<input type="checkbox"/> Colour identification	Black
<input type="checkbox"/> Radial secant stiffness at 2.0% strain ⁽³⁾	220kN/m with a tolerance of -70kN/m

Dimensions and delivery

The geogrid shall be delivered in roll form with each roll individually identified as Tensar HXL geogrid. Roll dimensions are typically 50m long by 3.8m wide.

Notes

1. Unless noted otherwise, the values shown are nominal
2. Ratio of the mid-rib depth to the mid-rib width
3. EOTA Technical Report TR041

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