

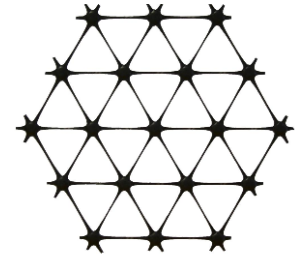
Product Specification - TriAx® TX130S Geogrid¹

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General

- The geogrid is manufactured from a punched polypropylene sheet, which is then oriented in three substantially equilateral directions so that the resulting ribs shall have a high degree of molecular orientation, which continues at least in part through the mass of the integral node.
- The properties contributing to the performance of a mechanically stabilized layer include the following:

Tensar TriAx® Geogrid



| Index Properties | Longitudinal | Diagonal | General |
|---|--------------|-----------|---------------------------|
| <ul style="list-style-type: none"> Rib pitch⁽²⁾, mm (in) Rib shape Aperture shape | 33 (1.30) | 33 (1.30) | rectangular triangular |

Structural Integrity

| | | | |
|--|--|--|------------------------------|
| <ul style="list-style-type: none"> Junction efficiency⁽³⁾, % Aperture stability⁽⁴⁾, kg-cm/deg @ 5.0kg-cm Radial stiffness at low strain⁽⁵⁾, kN/m @ 0.5% strain (lb/ft @ 0.5% strain) | | | 93 3.0 200 (13,708) |
|--|--|--|------------------------------|

Durability

| | | | |
|---|--|--|-------------|
| <ul style="list-style-type: none"> Resistance to chemical degradation⁽⁶⁾ Resistance to ultra-violet light and weathering⁽⁷⁾ | | | 100% 70% |
|---|--|--|-------------|

Dimensions and Delivery

The TX geogrid shall be delivered to the jobsite in roll form with each roll individually identified and nominally measuring 3.0 meters (9.8 feet) and/or 4.0 meters (13.1 feet) in width and 75 meters (246 feet) in length.

Notes

- Unless indicated otherwise, values shown are minimum average roll values determined in accordance with ASTM D4759-02. Brief descriptions of test procedures are given in the following notes.
- Nominal dimensions.
- Load transfer capability determined in accordance with ASTM D6637-10 and ASTM D7737-11 and expressed as a percentage of ultimate tensile strength.
- In-plane torsional rigidity measured by applying a moment to the central junction of a 225mm x 225mm specimen restrained at its perimeter in accordance with GRI-GG9 modified.
- Radial stiffness is determined from tensile stiffness measured in any in-plane axis from testing in accordance with ASTM D6637-10.
- Resistance to loss of load capacity or structural integrity when subjected to chemically aggressive environments in accordance with EPA 9090 immersion testing.
- Resistance to loss of load capacity or structural integrity when subjected to 500 hours of ultraviolet light and aggressive weathering in accordance with ASTM D4355-05.

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