

Product Evaluation

RE: Review of Naue Combigrid 30/30

PRODUCT

Naue Combigrid 30/30 geogrid is distributed in Alberta by AGES-Brockwhite of Calgary.

VENDOR CLAIMS AND INFORMATION

CLAIMS:

Naue Combigrid 30/30 is a flat composite geogrid from the Secugrid Q or R product series. It has firmly welded junctions and a centrally integrated Secutex nonwoven component for reinforcing, separating and filter applications. Company website: www.naue.com.

DESCRIPTION:

Combigrid is available in polypropylene (pp) or in polyester (PET). Naue Combigrid 30/30 is used on weak subsoils where, in addition to reinforcement, filter and separating properties are required.

POTENTIAL USAGE:

Reinforcement of base courses, foundations, access roads and pipeline trenches.

STANDARDS:

ASTM D5261 Mass per unit area
ASTM D1388 Flexural stiffness (modified)
Kinney et al Torsion stiffness (aperture stability)
ASTM D6637 Ultimate strength and strength @ 1, 2 & 5% strain
GRI GG2 Junction tensile strength

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE:

Alberta Transportation has no experience with this product.

APPLICATION STANDARDS:

Alberta Transportation does not have a standard for geogrid. All geogrid applications must be properly designed by a Professional Engineer (e.g., registration with APEGGA). The use of extensible reinforcement in MSE bridge abutments or wingwalls shall conform to the current AT MSE Wall Specifications.

RECOMMENDATIONS:

Naue Combigrid 30/30 geogrids be listed as a Proven Product under Alberta Transportation Products List, Geosynthetics – Geogrids - Proprietary, based on the information provided

TRIAL PROJECTS

Stoney Trail SE, Metis Trail, 36 St. NE, 80 Ave NE, Calgary.

Fred Cheng

cc New Product Evaluation Standing Committee – Roger Skirrow