



TENAX

GEOSYNTHETICS

**TENAX GEOSYNTHETICS:
SERVING UP SOLUTIONS**

AN ESSENTIAL
INGREDIENT FOR
COST EFFECTIVE
ENVIRONMENTAL
AND GEOTECHNICAL
APPLICATIONS

TENAX: MAN, TECHNOLOGY, ENVIRONMENT

TENAX is an International Group of Companies with headquarters based in Viganò - Italy. It is a worldwide leader in the manufacture of extruded polymers, producing a wide range of plastic nets and highly engineered grids for soil reinforcement, drainage and ground stabilisation solutions. Due to a thorough understanding of all extrusion processes, TENAX has the flexibility and capability of adapting existing production systems to manufacture products to suit customers' specific requirements.

During the last 30 years attention has been focused on the development of thermoplastic polymers for use in civil engineering structures incorporating geosynthetics that have very high technological characteristics, specifically designed for use in environmental and geotechnical engineering projects. These new products are now successfully providing solutions to many environmental problems which, if tackled with traditional methods, would have remained unsolved.

The TENAX Geosynthetics Division has a broad commercial network with local Agents and Distributors positioned in over 30 countries worldwide. This world network ensures the best technical and commercial assistance at a local level, ensuring TENAX Geosynthetics are designed and installed to the highest standards.



TENAX Quality

For over thirty years, TENAX has been one of the leading companies in the extrusion of thermoplastic polymers and is continuing to develop new and innovative products to the highest quality standards.

The TENAX Quality Assurance System ranges from the rigorous control of purchased raw materials to the control of the manufacturing process, on-line product quality control and final inspection up to storage and shipping.



Research and Development

Modern testing instrumentation and highly specialised personnel together form the TENAX Laboratory, making it one of the most advanced facilities of its kind in the world.

It is renowned not only for its excellence in product development, but also in design support testing, the development of new testing methods, and in basic and applied research.

The TENAX Laboratory constantly works together with universities, research centres, and other specialised laboratories (e.g. ISO, CEN, ASTM, DIN, BSI, UNI) to consistently guarantee the highest levels of professionalism.

Geosynthetics Division

The TENAX Geosynthetics Division and the TENAX GTO (Geosynthetics Technical Office), team of qualified Civil Engineers, provide solutions for environmental and civil engineering applications by cooperating with consultants and assisting with the preparation of complete design packages. The TENAX Geosynthetics Division provides field and laboratory testing, construction, quality control and engineering analysis. Moreover, TENAX offers local support and services through its worldwide office network.

TENAX has built up a worldwide reputation for its excellence in the following areas:

- state-of-the-art geotechnical engineering services from field and laboratory testing to engineering analysis and construction procedures;
- engineers, geologists and environmental experts provide a balanced solution to any environmental project;
- educational seminars, design workshops and customized "in-house" training;
- specific software for designing Civil Engineering applications with TENAX geosynthetics.

In order to solve engineering problems, the TENAX Geosynthetics Technical Office (GTO) will assist you in selecting, designing and developing technically appropriate and cost effective solutions.

TENAX GTO can assist Engineers in their assessment of the proposed structure ensuring consideration is given to the drainage pathways (in and around the structure) and any additionally applied external loads including checks for the overall global stability of the structure.

Catering to all your needs