

MARUTI TECHNICAL TOUGHCELL

Maruti Technical Toughcells are engineered for protection and stabilization applications. They are often used to help improve the performance of standard construction materials and erosion-control treatments.

Maruti Technical Toughcell products are three-dimensional cellular confinement system. Maruti Technical Toughcell manufactured from high-density polyethylene (HDPE) material. When expanded during installation, the interconnected strips form three-dimensional cellular structure which can be filled with sand, soil or other site material, providing strength and stabilization from roadways to steep embankments.

This creates a free-draining system that holds infill materials in place and prevents mass movements by providing confinement through tensile reinforcement. Cellular confinement systems improve the structural and functional behavior of soils and aggregate infill materials. Base stabilization with the Maruti Technical Toughcell system is especially effective in soft-soil areas.



(A) WHY HDPE ?

Maruti Technical Toughcell is only made with the best quality virgin High Density Polyethylene (HDPE) material. HDPE delivers a perfect balance of strength and flexibility as well as consistent performance characteristics allowing it to withstand the most demanding project applications.

Maruti Technical 3D HDPE Toughcells offer assurance that can only come with a 35-year proven track record simply not offered by other fabric-based or blended and recycled polymer materials. HDPE is the most accepted and proven cellular confinement material for a reason.

(B) APPLICATION

• RETAINING WALLS



• SLOPE PROTECTION



• LOAD SUPPORT



• CHANNEL SUPPORT

