



**Global Synthetics**

## **STORAGE GUIDELINES FOR ACETex® HIGH STRENGTH REINFORCEMENT GEOTEXTILE**

**ACETex** woven geotextile is composed of filaments of high tenacity polyester. The weave construction that is used produces a dimensionally stable product suitable for a wide variety of long term soil reinforcement applications. The major attributes of the ACETex woven soil reinforcement geotextile is the ability to deliver high tensile strengths at relatively low strains that will be soil strain compatible. Such applications would include reinforcement of soft soils under embankments, voids bridging, reinforcement of embankments over piles and closure and reinforcement of lagoon bridging works.

ACETex woven geotextile is manufactured with either unidirectional or bidirectional strengths. Strength range is available from 100kN/m to 1200kN/m.

Unidirectional product is manufactured with sufficient cross directional strength that the product is stable. Unidirectional strength product is manufactured with the major strength dominant in the length direction of the roll. This is generally called the warp direction of the roll. The cross directional strength of the roll of these unidirectional products is called the weft direction and is typically of the range 50-100kN/m. Bidirectional product is manufactured such that equal strengths are available in both the roll length direction (warp) and cross roll direction (weft).

The type of structure to be reinforced will determine the orientation and type of geotextile used in these applications of soil reinforcement.

### **DELIVERY**

Rolls shall be delivered in suitable protective plastic wrap. Product shall be rolled onto either a plastic, steel or cardboard core, which has sufficient strength, when using correct lifting or placement techniques during unloading, storage and laying operations to maintain roll core integrity.

Each individual roll shall be identified by the manufacturer with suitable labeling that describes a unique roll number, the manufacturer/suppliers name, the reinforcement grade supplied, roll length and roll width.

Lifting and movement of rolls should only be carried out using appropriately safe rated lifting equipment, slings or prongs that are appropriate for the work to be undertaken. Personnel involved in such operations should be aware of the dangers involved in the incorrect handling of such rolls. Handling should always be undertaken such that fabric integrity is maintained at all times



Rolls delivered should be checked such that product supplied is in accord with purchase. Rolls should be checked for damage prior to receipt. Any such damage shall be reported to the supplier immediately upon such damage being known.

## **STORAGE**

Rolls shall be stored in a secure area. Rolls shall be stored off ground and stacked such that the rolls are stable without damage to fabric or cores and will not be a cause of injury to personnel.

Rolls shall be left in the protective plastic wrap until required for use. Damage to plastic wrap shall be rectified when apparent. If product is to be stored outside without cover (but inclusive of plastic wrap) for longer than one month the product shall additionally be protected by temporary suitable "tarpaulin" cover.

All rolls shall be protected from exposure to fuels, acids, alkalis, excessive heat or other events that may cause roll damage.

All rolls shall not be left exposed to direct sunlight for periods longer than 3 days after removal of protective plastic wrapper.

When removing rolls from storage for use in the works each roll should be checked that the strength and roll lengths are correct for that section of installation.

For assistance regarding roll storage please contact Global Synthetics.

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*"These recommendations are provided as a guide only. It is provided without charge or obligation and the recipient assumes responsibility for its use. Site specific storage requirements should be sought from a suitably qualified engineer or reference any site or contract requirements"*