

# HUESKER FORTRAC<sup>®</sup> 3D DATA SHEET

## EROSION CONTROL MAT WITH GEOGRID REINFORCEMENT

PRODUCT			3D-30	3D-40	3D-60	3D-90	3D-110
MECHANICAL	STD.	UNIT					
Ultimate tensile strength Longitudinal	EN ISO 10.319	kN/m	≥ 30	≥ 40	≥ 60	≥ 90	≥ 110
Strain @ nominal   tensile strength : Longitudinal	EN ISO 10.319	%	≤ 12.5	≤ 12.5	≤ 12.5	≤ 12.5	≤ 12.5
PHYSICAL							
Thickness	--	mm	~ 10	~ 10	~ 10	~ 10	~ 10
Weight	EN ISO 9864	g / m <sup>2</sup>	~ 300	~ 370	~ 450	~ 560	~ 630
PACKAGING							
Roll width x length		m	4.55 x 100	4.55 x 100	4.55 x 100	4.55 x 100	4.55 x 100

### Product Notes

- Fortrac 3D erosion control mats are composed of PET filaments coated with polymer
- Fortrac 3D erosion control mats are resistant to naturally occurring soils having ph > 2 and <10
- The information listed in this data sheet is subject to periodic review and could be changed without notice.
- Fortrac 3D erosion control mats are manufactured according to ISO 9001 quality assurance procedures.
- Revised 03/07



**Fortrac 3D<sup>®</sup>** is a flexible, three-dimensional reinforcement grid manufactured from high-tensile strength, low-creep polyester with a special polymer coating to protect it from UV radiation and mechanical damage.

Fortrac 3D's three-dimensional structure exhibits excellent soil retention properties which significantly increases resistance to soil erosion. Fine soil particles are held in place until vegetation has had time to establish a root structure, this characteristic is particularly important where there are rapid movements of surface water.

### TYPICAL APPLICATIONS

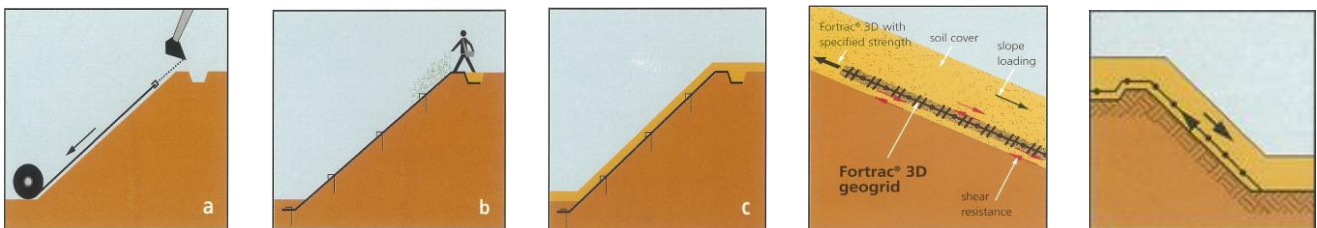
- Roadside slopes and drainage channels
- Access roads and transportation routes
- Extra-steep earthwork slopes
- Slope erosion stabilization
- Reclamation of industrial wasteland
- Waterway banks

### PROPERTIES

- Low elongation & low creep characteristics
- High ultimate tensile strength
- High resistance to soil micro-organisms and chemicals, uv radiation and mechanical damage
- Problem-free installation due to low product weight and excellent flexibility even in extreme cold

### TYPICAL INSTALLATION DETAILS

- Lay Fortrac<sup>®</sup> 3D in the slope direction (a)
- Lightly tension to remove creases and folds.
- In reinforcement applications use a 'designed' anchor trench at the slope crest. (b)
- Pin (2 to 3 / m<sup>2</sup>) geogrid firmly to the subgrade. (b)
- Secure toe geogrid with anchor trench and pins. (b)
- Over-seed the geogrid. (b)
- Fill the geogrid with fine free running soil and complete the surface cover. (c)



No responsibility is accepted for any change in product properties due to environmental influences and or improper application or handling.