

TECHNICAL DATASHEET

POWERSCRIM 600 (0.61mm RPE)

PRODUCT DESCRIPTION

A range of reinforced geomembranes, suitable for a variety of applications, including attenuation tanks, pond and lake linings and permeable paving lining.

Available in roll form or in pre-fabricated panels up to 32m x 300m



PROPERTIES	VALUES
PHYSICAL FORM	WOVEN HDPE COATED ON BOTH SIDES WITH LDPE FILM AND ONE SIDED LAMINATED WITH A LDPE/LLDPE BLEND FILM
ROLL/PANEL DETAIL	366cm WIDE ROLLS OR PANELS UP TO 32m wide x 300m LONG
WEIGHT (ASTM D5261)	425gsm/m ²
STRIP TENSILE STRENGTH: MIN. AVE. (ASTM D7003)	1179 N
STRIP TENSILE ELONGATION: MIN. AVE. (ASTM D7003)	21%
TONGUE TEAR: MIN.AVE. (ASTM D5884)	385 N
CBR PUNCTURE: MIN.AVE. (ASTM D6241)	5502N
INDEX PIN PUNCTURE-RESISTANCE: MIN. AVE. (ASTM D4833)	890N
HYDROSTATIC RESISTANCE: MIN.AVE. (ASTM D751)	1419kPa
PERMEABILITY/HYRAULIC CONDUCTIVITY - (ASTM E96 (B))	1 x 10 ⁻¹⁴ M/S
DIMENSIONAL STABILITY: % CHANGE MAX (ASTM D1204)	3% - PASS
WVT: MAX.AVE. (ASTM E96)	0.5 G/M2 - DAY - PASS
RESISTANCE TO ROOTS (EN 14416)	PASS
RESISTANCE TO LIGHT PENETRATION (ASTM D6567)	0% PENETRATION - PASS
UV RESISTANCE: FLUORESCENT LIGHT METHOD (ASTM D7238)	
a) STRENGTH & ELONGATION RETAINED AFTER 10, 000 LIGHT HOURS	>50% RETAINED - PASS
b) RESPONSE TO BENDING (GRI-GM16)	NO CRACKING - PASS

All values are 10% +-

The test data is based on an average taken over several production runs and should not be considered or interpreted as minimum or maximum values. Values are typical data and not limiting specifications.

1. TCS Geotechnics is a trading name of Technical Civils Solutions Ltd.
2. TCS Geotechnics Ltd reserves the right to alter product specifications without prior notice.
3. It is the responsibility of all users to satisfy themselves that the above data is current.
4. The above figures are average values obtained from testing to current EN ISO standards.
5. TCS Ltd cannot accept responsibility for the performance of these products as the conditions of use are beyond our control.
6. Installation details are available on request.

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