



## Geotextile Sand Container Specification: 2.5M3 CONTAINER STANDARD GRADE

### DESCRIPTION

Global Synthetics Geotextile Sand Containers are made of very robust staple fibre geotextile layers sewn together with a UV Stable polyester/polypropylene overlapped yarn.

### GEOTEXTILE FEATURES

- High tensile strength
- High penetration resistance
- High permeability
- Excellent fines retention
- Abrasion resistant staple fibre construction
- High UV resistance

### GEOTEXTILE TYPICAL PROPERTIES

Staple fibre geotextile

PROPERTIES		UNITS	VALUE	TEST METHOD
Mass		g/m <sup>2</sup>	1080*	AS3706.1
Tensile Strength (Toughness)	Machine Direction	kJ/m <sup>2</sup>	21	AS3706.2
	Cross Direction	kJ/m <sup>2</sup>	31	
Puncture Resistance	CBR	kN	9*	AS3706.4
	Drop Cone	mm	0	EN ISO 13433
Abrasion Resistance	BAW Rotating Drum	kN/m	26	BAW Abrasion Test

### SEWING CONNECTION PROPERTIES

The sewing utilizes a straight stitch and overlock stitch using UV stabilized polymer yarns.

Seam Strength	Machine Direction	kN/m	38	AS3706.6
	Cross Direction	kN/m	42	

### UV RESISTANCE

Retained Tensile Strength after UV Exposure	After 500 Hours	kN/m	48	ASTM D4355
	After 1000 Hours	kN/m	44	
	After 2000 Hours	kN/m	41	

### FILLED PROPERTIES

The Geotextile Sand Containers once filled with sand and ready for placement with suitable equipment will have the following characteristics

Typical Fill	2.4m Long x 1.8m Wide x 0.6m Deep
Typical Filled Mass	Approximately 4000kg based on filling with sand of density 1600kg/m <sup>3</sup>

### SCOUR/ANCHOR FLAP OPTION

Scour/Anchor Flap	An additional geotextile flap can be integrally connected to the container to assist in preventing under scour of sand filled geotextile container structures
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\* Denotes MARV (Minimum Average Roll Values). Other technical values are Mean values based on testing over long periods of time. The right is reserved to make changes without notice at any time.

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### IMPORTANT NOTICE

The information provided in this document is general in content and offered in good faith. The content does not consider site specific locality and conditions. Data and specifications contained in this guideline are values obtained from laboratory testing. The technical values are mean values and are indicative. The right is reserved to make changes without notice at any time. Please consult your regional Global Synthetics representative to confirm current specification values. If you have any doubts as to the installation instructions or the application on your site, please contact us for clarification before commencing installation. It is recommended that advice be obtained from a qualified consulting engineer for your design and application requirements.

JUNE .16



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