

GeoRock®

Geotextile Sand Container Datasheet:

1.0M³ CONTAINER VANDAL RESISTANT GRADE

DESCRIPTION

GeoRock® Geotextile Sand Containers are made of very robust staple fibre geotextile layer sewn together with a UV Stable polyester/polypropylene yarn. In Vandal Resistant format, the outer geotextile features a heavy, coarse Polypropylene geotextile which traps sand particles within its structure to provide a vandal resistant and durable outer layer.

INNER LAYER FEATURES

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

OUTER LAYER FEATURES

- Excellent durability and robustness
- Abrasion resistance
- High friction surface
- High UV resistance
- Neutral environmental colour – sandy beige
- Vandal resistance

GEOTEXTILE PROPERTIES

Staple fibre composite geotextile

PROPERTIES		UNITS	VALUE	TEST METHOD
Mass		g/m ²	1200	AS3706.1
Tensile Strength (Toughness)	Machine Direction	kJ/m ²	25	AS3706.2
	Cross Direction	kJ/m ²	30	
Puncture Resistance	CBR	kN	11	AS3706.4
	Drop Cone	mm	0	EN ISO 13433
Abrasion Resistance	BAW Rotating Drum	kN/m	34	BAW Abrasion Test

SEWING CONNECTION PROPERTIES

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

Seam Strength	Machine Direction	kN/m	43	AS3706.6
	Cross Direction	kN/m	51	

UV RESISTANCE

Retained Tensile Strength after UV Exposure	After 500 Hours	kN/m	32	ASTM D4355
	After 1000 Hours	kN/m	30	
	After 2000 Hours	kN/m	26	

FILLED PROPERTIES

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

Typical Fill	2.1m Long x 1.2m Wide x 0.4m Deep
Typical Filled Mass	Approximately 1700kg based on filling with sand of density 1650kg/m ³

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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* All values are MARV (Minimum Average Roll Values) based on testing over long periods of time. The right is reserved to make changes without notice at any time.

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 right is reserved to make changes without notice at any time. Please consult your regional Global Synthetic 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.

APRIL 18



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