

Geobags

Woven fabric with lifting straps

The Geotube® Geobag is a containment product manufactured from engineered fabrics combined with high capacity seams that allow sand or other suitable material to be in-filled. They are engineered to provide strength, durability and soil tightness during installation and operational life. The bags are filled with sand through open top or through inlet fabric sleeve on top of the bags. The resulting filled bag can be easily handled and are used to replace rock for the construction of dyke structures or for erosion protection works.

This range of Geotube® Geobags is manufactured using engineered woven fabric with attached lifting straps for handling and installation convenience on site. They are ideal for constructing dyke structures of a temporary nature or used as core fill material in permanent dyke structures.

Properties of TenCate Geotube® Woven Geobags with Lifting Straps

Properties	Test Method	Unit	GB600 MSS1	GB600 MSS2	GB600 MSS3	GB600 MSS4	
Colour			Black	Black	Black	Black	
Nominal box dimensions (unfilled)							
Width		m	1	1	1.6	2	
Length		m	1	2.5	1.6	3	
Height		m	1	1	1.6	1.5	
Lifting points							
Number of lifting points			4	6	10	10	
Tensile strength per strap	ISO 10321	kN	55	55	55	55	
Fabric							
Wide width tensile strength	MD	ISO 10319	kN/m	200	200	200	200
Wide width tensile strength	CD	ISO 10319	kN/m	200	200	200	200
Strain at nominal tensile strength	MD	ISO 10319	%	10	10	10	10
Strain at nominal tensile strength	CD	ISO 10319	%	10	10	10	10
CBR puncture strength		ISO 12236	kN	22	22	22	22
Abrasion resistance		ASTM D4886	% retained	80	80	80	80
UV resistance (at 500 hours)		ASTM D4355	% retained	90	90	90	90
Pore size O ₉₀		ISO 12956	mm	0.35	0.35	0.35	0.35
Water permeability Q ₅₀		ISO 11058	l/m ² /s	20	20	20	20

Other bag sizes tailored to project requirements may be available upon request.

TenCate Geotube® is a registered trademark of TenCate Geosynthetics.

The values given are indicative and correspond to average values obtained in accredited testing laboratories and institutes.

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