



BentoShield®

GEOSYNTHETIC CLAY LINERS



BENTOSHIELD 5000 TECHNICAL PROPERTIES

GEOCOMPOSITE

Mass per unit area⁽¹⁾ ASTM 5993 / EN 14196	5000 g/m²
Permeability ASTM D 5887	5x 10⁻¹¹ m/sec
Index flux ASTM D 5887	1 x 10⁻⁹ m³/sec-m²
Tensile Strength ASTM D 4595 / EN ISO 10319	> 13 kN/m
Elongation at break EN ISO 10319	18 %
Peel strength EN ISO 10319	> 600 N/m
CBR puncture force EN ISO 12236	2150 N

BENTONITE LAYER

Free swell ASTM D 5890	> 24 ml/2g
Fluid loss ASTM D 5891	< 18 ml

GEOTEXTILE LAYER

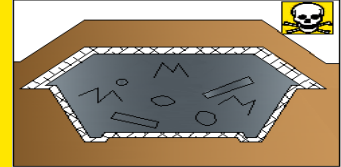
Non woven - mass/unit area ASTM D 5261 / EN ISO 9864	200 g/sq.m
Woven - mass/unit area ASTM D 5261 / EN ISO 9864	110 g/sq.m

⁽¹⁾ min. weight of sodium bentonite with 10 % moisture content.

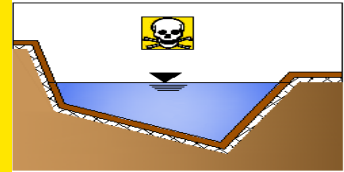
The values in the table are achieved in GEOMAS laboratories and accredited testing institutes by following the ASTM Standards and GEOMAS Quality Plan.

APPLICATIONS

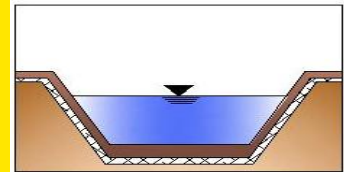
SOLID WASTE



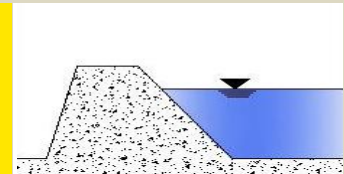
LIQUID WASTE



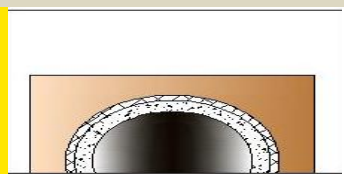
CANALS



RESERVOIRS & DAMS



TUNNELS & SUBWAYS



DIMENSIONS

Width 5m, 2.5m
Length 20 m, 40m, 45m,



info@geomas.com.tr

www.geomas.com.tr

Cumhuriyet Mah. Fatih Cd. No.4
34876 Kartal İstanbul TURKEY

T: +90 (216) 451 48 48 Pbx.

F: +90 (216) 309 74 57

İZOMAS GROUP OF COMPANIES