

ACS BENTO SHEET®

Bentonite Based Cover



■ Description

ACS BENTO SHEET® is a geosynthetic clay liner which is made of two or more geotextile and bentonite layers and clay minerals which has excellent swelling properties.

■ Place of usage

- Underground foundation insulation of buildings.

- In basic insulation of elevator wells.
- In artificial pond insulation.

■ Advantages

- Sodium bentonite is a highly effective waterproof composite.
- HDPE fill water provides extremely low permeability for water vapor and gas transmission.
- Provides monolithic insulation.

MASS PER UNIT AREA (AVERAGE)

Carrier Layer	PP Woven	100-200 g/m ²
Inlay	NA Bentonite	1000-6000 g/m ²
Cover Layer	PP Bentonite	100-200 g/m ²
	PE Membrane 0,2-0,5	180-2500 g/m ²
Total Product Weight		1200-6300 g/m ²

ACS BENTO SHEET PROPERTIES

Montmorillonite Content	-	%74
Swelling Capacity	ASTM D 5890	25 ml/ 2 g
Water Absorption Capacity	DIN 18132	Min. 450 %
Moisture Content	-	Max. 12 %

PHYSICAL PROPERTIES OF THE COMPOSITE

Thickness (Dry)	EN ISO 9863-1/9863-2	Min. 3,10-8,5 mm
Permeability	ASTM D 5887-99	Max. 0 - 5x10 ⁻¹¹ m/s
Tensile Strength MD	EN ISO 10319	Max. 8,6 - 42,0 kn/m
Tensile Strength CD		Max. 8,6 - 42,0 kn/m
CBR Puncture Strength	EN ISO 12236	Max. 1,7 - 5,0 kn

These data are average values derived from standard tests and are subject to usual product variation. The right is reserved to make changes without notice at any time.

PACKAGING

40*2,5 mt rolls

□ Responsibility

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