

SKAPS ClayArmor™
SN3.5 S75



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SKAPS ClayArmor™ SN3.5 S75 is a reinforced geosynthetic clay liner (GCL) which consists of a uniform layer of natural high quality sodium bentonite needle-punched with a carrier scrim-nonwoven geotextile and a cap nonwoven geotextile. This product is typically utilized on moderate to high load and slope applications.

GCL Property	TEST METHOD	FREQUENCY	Value	QUALIFIER
Geotextile Property				
Carrier Scrim-Nonwoven, Mass/Unit Area	ASTM D 5261	200,000 ft ²	6 oz/yd ²	MARV ⁽¹⁾
Cap Nonwoven, Mass/Unit Area	ASTM D 5261	200,000 ft ²	6 oz/yd ²	MARV ⁽¹⁾
Bentonite Property				
Swell Index	ASTM D 5890	100,000 lb	24 ml	MIN
Fluid Loss	ASTM D 5891	100,000 lb	18 ml	MAX
Finished GCL Property				
Bentonite Mass/Unit Area ⁽²⁾	ASTM D 5993	40,000 ft ²	0.75 lbs/ft ²	MARV ⁽¹⁾
Tensile Strength ⁽³⁾	ASTM D 6768	40,000 ft ²	50 lb/in	MARV ⁽¹⁾
Peel Strength ⁽³⁾	ASTM D 6496	40,000 ft ²	3.5 lb/in	MARV ⁽¹⁾
Hydraulic Conductivity ⁽⁴⁾	ASTM D 5887	1/Week	5 x 10 ⁻⁹ cm/sec	MAX
Index Flux ⁽⁴⁾	ASTM D 5887	1/Week	1 x 10 ⁻⁸ m ³ /m ² /sec	MAX
ROLL DIMENSIONS⁽⁵⁾				
Roll Length, ft			150	NOM
Roll Width, ft			15.5	
Roll Area, ft ²			2,325	

Notes:

- (1) Minimum average value
- (2) 0% moisture content
- (3) Tested in Machine Direction
- (4) Deaired, deionized water at a 5 psi maximum effective confining stress and 2 psi head pressure
- (5) Roll dimensions have a tolerance of 1%

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