

PERFORMANCE

## GuardDog Absorbent Material Filtration

The GuardDog drain filter utilises Spilltration® Husky material, which has been independently tested to measure filtration performance. The laboratory test results confirm that Spilltration Husky material filters particle sizes of less than 0.053mm. Type 2 sediment control traps are classified by their ability to trap particles between 0.045 - 0.140mm.



Project Name:	Husky Micron Size		
GTX #:	313811	Tested By:	est
Test Date:	21/06/21	Checked By:	bfs
Sample ID:	Husky Material		
Description:	Grey, nonwoven textile		

### Apparent Opening Size of a Geotextile by ASTM D 4751

Specimen Number	Specimen Mass, g (before /after treating)	Bead Size		Passing, %	Size for 5% Passing, mm
		Sieve Number (U.S. Standard Size)	Diameter, mm		
1	24.03/23.96	230-270 ---	0.053 ---	0.06 ---	<0.053
2	24.24/24.15	230-270 ---	0.053 ---	0.04 ---	<0.053
3	24.25/24.19	230-270 ---	0.053 ---	0.02 ---	<0.053
4	25.31/25.26	230-270 ---	0.053 ---	0.02 ---	<0.053
5	22.91/22.86	230-270 ---	0.053 ---	0.04 ---	<0.053

Average AOS = O <sub>95</sub> :	<0.053	Average Sieve Number:	<270
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Comments: Shaker Type - CE Tyler Ro-Tap  
Results indicate opening size of less than 53 microns

Notes: These results apply only to the sample tested for the specific test conditions. The test procedures employed follow accepted industry practice and the indicated test method. GeoTesting Express has no specific knowledge as to conditioning, origin, sampling procedure or intended use of the material.

## Classification of sediment traps

Classification	Minimum Particle Size	Typical trapped particles
Type 1	< 0.045mm	Clay, silt & sand
Type 2	0.045 - 0.14mm	Silt & sand <sup>[1]</sup>
Type 3	> 0.14mm	Sand
Supplementary	> 0.14mm	Sand

[1] Technically, silt particles have a grain size of 0.002 to 0.02mm, which means that only Type 1 sediment traps are likely to capture silt-sized particles. However, for general discussion purposes, it can be assumed that Type 2 systems capture a significant proportion of silt-sized particles. Source: International Erosion Control Association Australasia