

A collage of three images: a hand mopping a blue floor, a mop head with a white sheet, and a close-up of a white sheet with yellow pollen grains.

ELECTROSTATIC DRY MOPPING Vs. ADHESIVE BASED DUSTING

How do they differ?

Removing dust and soil is an important part of the cleaning process. Dry mopping helps reduce the frequency and volume of wet cleaning, reduces water and chemical usage, and helps mitigate the risk of slip & fall accidents while improving cleaning efficiency. Disposable options also help to economically control cross contamination when a 1 sheet-per-room process is implemented and costly laundering is not an option.

Electrostatic Dry Mopping and Adhesive Based Dusting are two available options in the disposable market. While these products at first appear similar, the sheets have some significant differences in performance and cost-in-use.

Method

The largest difference in these products is the way they pick up and remove soils from a surface. Adhesive based sheets rely on a sticky residue to pick up dirt and debris. Once the residue has reached its soil load capacity, there is nothing for the dust to adhere to, which limits the ability to hold soils and cover large areas without frequently replacing your sheet.

Electrostatic Dry mopping on the other hand creates a short-life electrostatic charge when slid across a hard surface, drawing the dust, dirt, pollen, hair, and bacteria (down to 2 to 3 microns) right into the fibre matrix, where it is held until disposal. Soil capacity and efficacy is greatly improved as the sheet itself does the work and doesn't rely on a sticky residue to hold the soil. Dry mopping with the Vivelle Dynamop and Biomop can be compared to cleaning with high quality microfibre, but without the use of water or chemicals.

See below cleaning test results

Method 1:



Adhesive based sheets are used on the first pass of the floor.



Dynamop is used over the same area.

Dynamop continues to pick up soil even on an area pre-cleaned by the adhesive based dusting sheets.

Method 2:



Dynamop is used on the first pass of the floor.



Competing adhesive based sheets are used over the same area

Notice the difference in soil load, Dynamop picks up and cleans more efficiently on the first pass than the adhesive based sheets.

Size and Cost-In-Use

Vivelle Electrostatic Biomop and Dynamop come in pre-cut 8" x 24" sheets, providing ample surface area when used with our spring clip frame and handle to tackle large areas like gymnasiums, lobbies, and airport walkways. The one sheet per room method can be implemented in health care settings to control cross contamination and Biomop is treated with a biodegradable additive to contribute to green cleaning initiatives.

Adhesive based sheets are often sold in rolls of 8" x 6" sheets, meaning you would need 4 sheets to match the cleaning area of the Vivelle Dynamop and Biomop. A market comparison puts the average cost-in-use of adhesive based dusting sheets at a 90% premium when used in the same fashion as the Vivelle Dynamop and Biomop.

Product	Product Code	Adhesive	Static	Biodegradable	Case Pack	Sheet Count	Sheet Size	Pack Style	Comparable Cost-in-use vs. Dynamop	Comparable Cost-in-use vs. Biomop
AGF Biomop	70143		x	x	1	200	8" x 24"	Pre-Cut Sheet		
AGF Dynamop	143		x		1	200	8" x 24"	Pre-Cut Sheet		
Adhesive Brand #1	#####	x			1	250	8" x 6"	Perforated Roll	115%	106%
Adhesive Brand #2	#####	x			1	250	8" x 6"	Perforated Roll	74%	67%