



Flex Brush Air Infiltration Spec Sheet
Standard Brush Seals

Air infiltration and leakage is a problem in most buildings, especially around overhead doors and loading docks. Pedestrian doors and conveyors can also be problem points that can require Flex Series brush weatherseals. Not only can cooled or heated air leak causing unnecessary utility bills, but drafts can also cause uncomfortable working conditions.

Air leakage problems are also compounded by what is commonly known as the "chimney" or "stack" effect. Hot air rises and escapes through openings near the top of the building while cold air is drawn in through door gaps and openings near the bottom of the building. Depending on temperatures, air movement caused by the chimney effect can move up to 10 mph.

Flex Series brush weatherseals can stop 99% of air infiltration and can be up to 3 times as effective as vinyl seals, as the below charts illustrates. Classified to U.S. and Canadian safety standards by Underwriters Laboratories Inc. for application to hollow metal, steel covered composite, rolling steel and passenger elevator type fire doors rated up to 3 hours.

All Flex Series brush weatherseals are UL Listed making it the perfect choice for use
on fire door applications

Wind Speed	No WeatherSeals	Vinyl Seals	Brush Seals
		(Top& Sides)	(Top& Sides)
15 mph	6.24cfm/ftsq	0.30 cfm/ft sq	0.10 cfm/ft sq
25 mph	13.10ctm/ft so	0.64 ctm/ft sq	0.21 cfm/ft sq

Commonly used as a Smoke Seal on elevators, Flex Series brush seals are perfect for irregular surfaces and is in compliance with UL10B standards.