

Laboratory Testing

Flame Spread Index and Smoke Development Index

This document provides results from an independent fire test laboratory on the various restroom partition materials.

The tests were administered in accordance with the American Society for Testing Material ASTM E84-01 “Test for Surface Burning Characteristics of Building Materials.”

ASTM E 84 test results are used by the ICC and the NFPA to evaluate burning characteristics of materials classified as Interior Wall and Ceiling Finished in building materials.

Material Type	Flame Spread	Smoke Development	Fire Rating
Powder Coated Steel	5	30	Class A
Stainless Steel	0	25	Class A
Plastic Laminate	130	180	Class C
Phenolic	45	110	Class B
Solid Plastic HDPE	50	450	Class B
ASTM E-84 / UL 723 Guidelines			
Class A Fire Rating (Class I) – Flame Spread (0-25) Smoke Development <= 450			
Class B Fire Rating (Class II) – Flame Spread (26-75) Smoke Development <= 450			
Class C Fire Rating (Class III) – Flame Spread (76-200) Smoke Development <= 450			