

# Flame Spread and Smoke Generation

ASTM E-84, the test method used for flame spread, is not a test for fire doors. E-84 is a fire-test response standard for comparing surface-burning behavior of building materials and is applicable to exposed surfaces such as walls and ceilings.

Doors are covered by test methods that evaluate their ability to prevent the spread of fire from one protected space to another. In fact, the test is designed to assume a fully developed fire on one side of the door. Doors are not test to determine how quickly a fire will grow in the room of origin; they are tested to insure the fire does not spread beyond the room of origin. For reference, ASTM 2074, UL-10B, UL-10C, CAN/ULC S104, and NFPA-252 are the principal test methods used to evaluate fire doors.

All Forte™ Opening Solutions positive pressure doors can be utilized as smoke control doors designated with the [ S ] rating on the fire label and with the use of listed CATEGORY "H" gasketing.