

TEMPERATURE RISE RATINGS

A temperature-rise door is a fire-rated door which limits the heat transfer through the door for a period of 30 minutes. Temperature-rise ratings indicate the maximum rise above ambient temperature on the non-fire side of the door, and are listed for 250, 450, or 650 degrees fahrenheit. The 250 degree temperature-rise door is the most restrictive because it limits the heat transfer to only 250 degree for a 30-minute period.

All VT 45-, 60-, and 90-minute fire doors have a temperature rise rating of 250 degree fahrenheit where lites do not exceed 100 square inches.

20-minute fire doors do not have a temperature rise rating because they are only exposed to the fire test for twenty (20) minutes.

45-90-minute fire doors with fire protective glazing over 100 square inches will not have a temperature rise rating. However, the fire door will maintain the hourly fire rating listed on the fire label. Lites exceeding 100 square inches are evaluated as a component of the door and must meet rating requirements for glass type, glass thickness, and metal kit type to maintain the fire rating. To determine if a certain combination of glass type, thickness and kit is acceptable, consult the charts provided by the metal kit manufacturer or glass supplier.