

SCOPE:

This bulletin covers the details and features of the subject doors when they bear an Underwriters' Laboratories, Inc. or Warnock Hersey Inc. temperature rise labels.

PURPOSE:

To insure the reader is aware of the extent of this program.

LABELS:

As noted on the enclosed, 1 3/4" 18 or 16 gage 35LE - 37LE Series doors may bear the following label.

1) Doors in openings in walls separating buildings, or parts of buildings, into fire areas may be provided with 3-hour label. These units are only available flush, except where local jurisdictions allow 100 sq. inches of FireLite® glazing.

2) Doors in openings in walls enclosing areas of vertical communication (i.e. stairwells) may be provided with a 1 1/2-hour label. These units are available flush or with V, N520, N425, and N333 lites. 1 1/2 hour doors in other locations may be provided with fusible link louvers.

3) Doors in room and corridor partitions may be provided with a 3/4-hour label. These units are available flush G, N520, N425, N333 and LI designs.

The 3-hour and most 1 1/2-hour 35LE - 37LE Series doors will bear are capable of bearing a 250° temperature rise label, the most stringent rating available.

The 3/4-hour units, those with louvers, and those with lites over 100 square inches cannot bear temperature rise labels.

TEST CRITERIA:

Doors are constructed to meet fire test criteria as defined in UL10b, NFPA252 or UBC 7-2(1994).

IMPORTANT NOTE:

Temperature rise rating indicates the temperature of the enexposed face of the door (above ambient) measured at 30 minutes into the fire test. At this point, furnace temperature is in excess of 1500° F. Commonly used ratings are 250°F, 450°F and 650°F. The 250°F rating inducates the least transmission of heat through the door.

ENGINEERING DATA ON CORE	
"K" Factor @70° Mean Temperature	.33 BTU-in./ sq. ft. - Hr. - F°
Service Temperature Range	-50° to 250° F
Density	15-18 lbs./ cu. ft.
Compression Strength ASTM C-367-57	200# 1/ 4" penetration of a 2" dia. steel ball
Underwriters' Classification	Fuel Contribution - 30 Smoke developed - 0
Sound Transmission	34db minimum (ASTM E90-66T) Depends on type of construction
Capillarity	0
Water Absorption (ASTM #32127-62T)	Less than 3% by volume in two hours.