

# TECHNICAL DATA SHEET

**D - 100 - 02**  
**PERFORMANCE PROPERTIES**

## GENERAL INFORMATION

1. Rating "A" label – 3 hour, "B" label – 1 ½ hour, "C" label – ¾ hour, "D" label – 1 ½ hour and "E" label – ¾ hour.
2. Glass permitted. "B" label – 100 square inches per leaf maximum. Dimensions may not exceed 12" in width or 33" in length. "C" label – 1296 square inches per light, neither dimension may exceed 54". "E" label – 1296 square inches per light, neither dimension may exceed 54". (No glass is permitted in "A" and "D" label doors except 100 square inches in "A" label doors with special glass and glazing.)
3. Fire exit device labels must be attached to door when used with labeled and listed fire exit hardware.
4. All doors listed in pairs can be used with single point lock and automatic flush bolts or vertical rod and mortise panic devices with flush bolts on inactive.

## ENGINEERING DATA

CORE MATERIALS	POLYSTYRENE
PHYSICAL PROPERTIES DENSITY	1.4 PCF
COMP. STRENGTH	23 PSI
COEF. OF EXP. / °F	<1 1/2%/ VOL
SOUND TRANSMISSION (STC) 20 GA FACE SHEETS	25
18 GA FACE SHEETS	2
THERMAL PROPERTIES "R" FACTOR	6.35
"U" FACTOR	.157
FIRE HAZARD CLASS. FUEL CONTRIBUTED	0
SMOKE DEVELOPED	50 - 85
SERVICE TEMPERATURE RANGE	-65°F - 190°F

## STANDARD HARDWARE PREPARATIONS

Lock Preparation – Government 161 cylindrical lock (2 3/4 backset) .  
Government 86 mortise lock (2 3/4 backset) reinforced as in detail G2, DS-113.

Hinge Preparations – 4 1/2" x 4 1/2" standard/Hvy weight template hinges, 1 1/2" pair on 6'8", 7'0" and 7'2" doors,  
2 pair on 7'10" and 8'0" doors.

Surface Mounted Hardware – Doors are factory reinforced for surface mounted hardware when specified. Mounting holes are drilled and tapped in field by others. See ANSI A250.8

Universal Handing – Doors will fit both right and left hand openings due to the double hole pattern and reversible hinge filler.

Pairs of Doors – Pairs of doors may be supplied with astragals when specified.

Packaging – Each door is packed in individual corrugated cardboard cartons clearly identified as to its contents.

**Issue Date: January 2006**

REVISED : 02/01/2009

