

FIRE RESISTANCE

Fire tests and other studies carried out by leading authorities have demonstrated the high performance characteristics of StresCore hollowcore slabs. Two hour fire ratings are achieved without an additional topping. The addition of a topping will produce ratings of three hours. Additional modifications to the hollowcore can lead to four hour ratings, which will satisfy even the most stringent code requirements.

U.L. DESIGNS

- 6" - P.C.I. MNL-124
- 8" - J931, J932, J956
- 10" - J931, J932
- 12" - J931, J932

THERMAL RESISTANCE PROPERTIES

Precast and prestressed concrete construction and the thermal inertia and thermal storage properties have an advantage over lightweight materials. The hollowcores also help to improve the thermal resistance of the system.

	6"	8"	10"	12"
R=	1.07	1.34	1.73	1.91



LOW SOUND TRANSMISSION

Sound control is essential in building construction in order to ensure quiet buildings for pleasant living and working conditions. Sound transmission can be divided into two categories:

1. Impact Sound (foot steps)
2. Airborne Sound (voices or radio)

The density and the configuration of StresCore hollowcore combine to lend themselves extremely well to control of both impact and airborne sound transmission. Control of airborne sound in a room is readily accomplished by proper finishes. For effective control of impact sound transmission, installation of carpet finishes over hollowcore is desirable.

FIRE RESISTANCE OF HOLLOWCORE

