

STC (Sound Transmission Class) and IIC (Impact Isolation Class) Field Tests of Typical LiteDeck Floors

FIELD TEST I - Conducted May 21, 2007

Garage Floor - Single Family Residence Sioux City, IA

Drawing not to scale
Standard concrete, 4,000 psi mix
Reinforcing steel not shown
Dimension of receiving room below: 29' x 40'
Weight of floor: 74.4 lbs. per sq. ft.

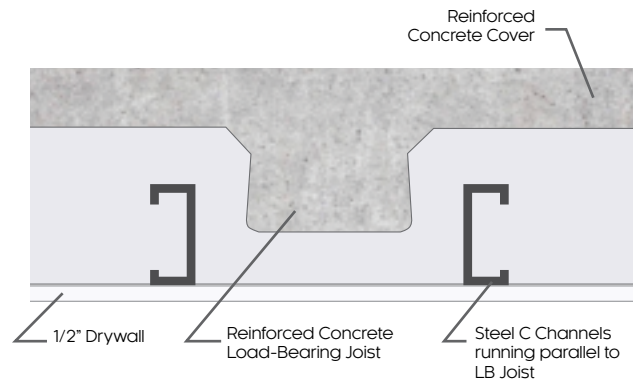
FSTC* 57
FIIC 44**

*Field Sound Transmission Class

**Field Impact Isolation Class

Calculated Results	Attach Drywall with Resilient Clips	Attach 1" Drywall direct to C Channels
FSTC	67	54
FIIC	61	48

LITEDECK FLOOR CONFIGURATION (BARE CONCRETE)



FIELD TEST II - Conducted May 22, 2007

Bedroom Floor - Single Family Residence Sioux City, IA

Drawing not to scale
Standard concrete, 4,000 psi mix
Reinforcing steel not shown
Dimension of receiving room below: 12' x 16'
Weight of floor: 60.2 lbs. per sq. ft.

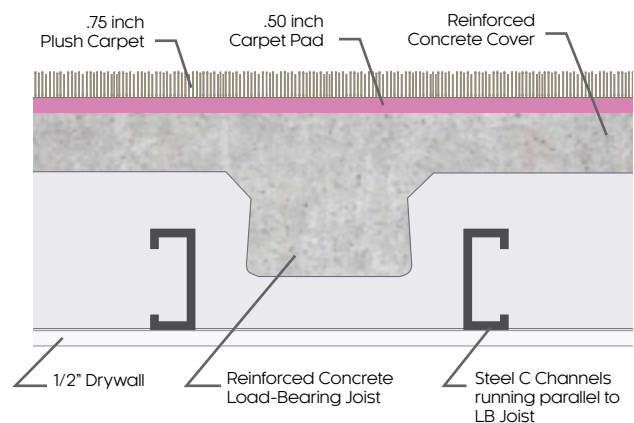
FSTC* 48
FIIC 82**

*Field Sound Transmission Class

**Field Impact Isolation Class

Calculated Results	Attach Drywall with Resilient Clips	Attach 1" Drywall direct to C Channels
FSTC	56	52
FIIC	90	86

LITEDECK FLOOR CONFIGURATION (WITH CARPET AND PAD)



Field Tests were conducted and certified by **Wm. H.O. Kroll Associates** of Minnetonka, MN. The firm specializes in acoustics - sound, noise and vibration. The test results are identified as FSTC and FIIC as required for tests made in the field as opposed to tests made in a commercial acoustical test facility. Tests were made in keeping with ASTM E366 and E1007 standards. Room temperatures were 68-degrees (dry bulb) and 48-degrees (wet bulb). Both receiving rooms met the room volume minimum, as called for in the ASTM standards. Complete copies of Field Tests available upon request.