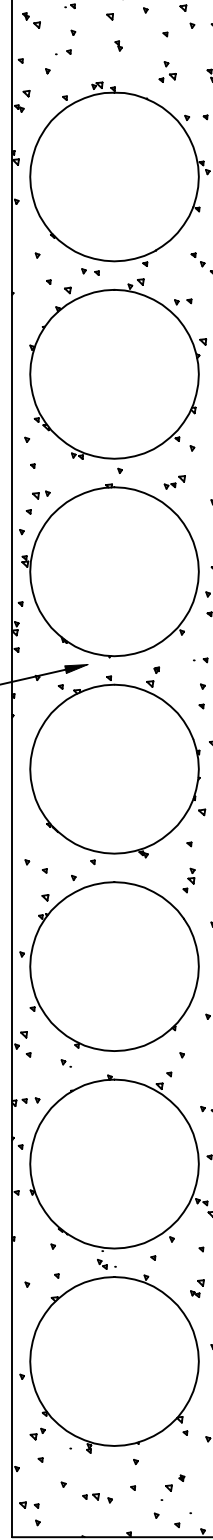


# IIC 21

8" FLEXICORE PRECAST SUB-FLOOR



TITLE

TEST B13

LAST DATE  
REVISED  
05-17-05

REVISED BY  
JAE

DRAWING NO.  
B13



**Average Normalized Impact Sound Pressure Level (Ln) For a Flexicore® Precast Concrete Slab Floor**

The standard test method procedure E492 was used by RAL to measure the impact sound pressure level of a reference floor. The overall dimensions of the reference floor were nominally 4.27 m (168 in.) wide by 6.10 m (240 in.) long and 203 mm (8 in.) thick.

The description of the reference floor was as follows: The floor consisted of ten nominally 610 mm (24 in.) wide by 4.24 m (167 in.) long by 203 mm (8 in.) thick Flexicore® Model #824A-D-22 precast concrete slabs. The gaps between the slabs were filled with sand. The weight of the specimen as determined was 7,076 kg (15,600 lbs) an average of 272 kg/m<sup>2</sup> (55.7 lbs/ft<sup>2</sup>). The results as well as the Impact Insulation Class, IIC are presented in the table and figure below.

AVERAGE TEST RESULTS

Frequency (Hz)	Ln (dB)
100	61
125	61
160	65
200	64
250	63
315	71
400	71
500	71
630	72
800	73
1000	75
1250	77
1600	78
2000	80
2500	81
3150	79
<b>IIC</b>	<b>21</b>

**AVERAGE TEST RESULTS**  
**8 Inch Thick**  
**Flexicore Concrete Slabs**

