

17. Development of Sound Isolation Flooring Floor System for Multiple Dwelling House.

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Sound isolation flooring system for the multiple dwelling house using the foaming plastics material was developed. The floor system is used for actual building, and it is being got as follows results.

- ① The sufficient effect would be obtained even in the foaming plastics material of the monolayer on light floor impact sound cutoff performance by using the sound isolation flooring material on the surface.
- ② Floor impact sound level measurement result by the new or old JIS measuring method is 1.9dB~2.7dB difference, and there is largely the level of the new JIS method.
- ③ Distribution of the floor impact sound level in the same dwelling unit type is smaller than the distribution of a dry type double floor reported in the past. therefore, it can be said that it is easy to be examined in the design.

Still, class display in housing performance indication system is possible even in living space which does not meet in the beam, if the fixed requirement is satisfied, for this floor system.

Key words : multiple dwelling house, floor impact sound, sound isolation flooring system, housing performance indication system