

7. Aged Deterioration of Natural Rubber Bearing Installed in the Building

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Aged deterioration of natural rubber bearing is one of key issues in the base-isolated structure. Static loading test and free vibration test were carried out for the base-isolated building. In this paper, aged deterioration of natural rubber bearing installed in the building were estimated using static loading tests, free vibration tests, and acceleration records of earthquake in the building.

Key words : base-isolated building, static load test, free vibration test, natural rubber bearing, aged deterioration, strong motion observation