

The APA-The Engineered Wood Association states in their construction guide that OSB and plywood are interchangeable for virtually any construction use. Nail holding is rated equal in APA tests.

What is not factored into the tests is the issue. Sports floors are designed to flex and do so constantly unlike walls and roofs which are designed for structural strength and rigidity.

Aacer has two issues with OSB that have not been resolved to our satisfaction.

First, OSB swells when it gets wet and does not shrink back to its original size.

Even a pail of water spilled on a floor could cause an area to swell and create a raised section of several square feet. The nails in that area would also loosen.

Second, is nail hold. The tests for nail withdrawal were not conducted after the sample was flexed daily for months. There is evidence that flooring cleats will wear the sides of their hole smooth with repeated movement allowing the flooring to move or rattle.

Aacer Flooring does not recommend the use of OSB panels in its sub-floor systems.

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