

We set the standards of excellence in the sports flooring industry

Connor•AGA is committed to comprehensive research and testing of its sports flooring systems. That's why all our systems are tested against both the international standard DIN and our exclusive Structural Testing and Engineering Measures (STEM). Using these evaluation methods, you can predict both the athletic and engineering performance of any flooring system and choose the one that best matches your project goals.

Our floors have been rated on test performance by DIN standards since the late '80s. This measures shock absorption, ball rebound, vertical and area deflection, sliding (friction) and rolling load characteristics.

DIN Athletic Performance Testing

DIN testing rates sports flooring systems in four key areas:

1. Shock Absorption

Measures the flooring system's ability to absorb impact forces normally absorbed by the athlete when landing on a hard surface such as concrete or asphalt.

2. Ball Rebound

Measures the basketball's response off the sports floor system as compared to the ball's response off concrete.

3. Vertical and Area Deflection

Measures the floor system's ability to contain the deflected area under an athlete's impact. Also known as deformation control, which provides shock absorption for athletes performing in close proximity.

4. Surface Friction

The MFMA provides a list of approved finishes which are required to meet a minimum 0.5 friction according to ASTM.

STEM Engineering Performance Testing

STEM testing rates sports flooring systems in four critical areas:

5. Method 100 - Environmental Stability

Measures the sports floor system's ability to remain unaffected by significant swings in environmental conditions, such as extended exposure to increases in humidity.

6. Method 200 - System Loading

Indicates the system's ability to maintain integrity under excessive loads such as bleachers and maintenance vehicles.

7. Method 300 - Resilient Life

Measures the resilient pad's ability to provide unchanged performance after repeated, active loads. Consider this for all types and levels of activities.

8. Method 400 - Resilient Load

Measures the resilient pad's ability to provide unchanged performance after carrying excessive loads such as a heavy bleachers.

Contact your regional specialist for individual system performance results for DIN and STEM.

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