



## Static & Rolling Loads

Static Loads: Static load limits, which provide maximum loading guidelines, can be measured in pounds per square inch or newtons per millimeter squared. Static load limits pertain to maximum loads for equipment, such as portable athletic equipment, bleachers, staging and other loads which remain in place for moderate to long periods of time.

Rolling Loads: Rolling loads are any loads, which will be transported across the floor surface, such as rolling bleachers, rolling portable athletic equipment, carts, service vehicles/lifts, and other wheeled equipment.

Exceeding load limitations can cause damage to the surface flooring system, subfloor, and/or substrate. It is, therefore, important for the athletic flooring specifier to take intended usage and load requirements into account when choosing a floor system. The owner should make certain all load limitations are not exceeded in the use of the facility, as damage stemming from excessive loading may not be covered by the flooring warranty.

When situations arise where temporary loading will exceed specified limits consult the flooring manufacturer for recommended protection procedures (service equipment, stages, portable bleachers).

Factors that can damage floors include:

- Planarity of the substrate (ASTM F710-05).
- Proper maintenance and calibration of the drive mechanisms
- Type, size and condition of bleacher wheels
- Insure wheels on any equipment is compatible with the flooring system.
- Do not exceed recommended load limits for wheeled carts.

*Differences in site conditions require variations in construction and repair methods and materials. Readers are advised to consult a qualified contractor or design professional before undertaking construction or repair of an indoor facility. Rev. 02/16.*

*The above recommendations are provided for general guidance only and are not meant to supersede Manufacturer instructions. The enclosed guidelines and requirements apply to both new construction and renovation projects, and therefore apply to concrete slabs of all ages. Differences in site conditions require variations in construction and repair methods and materials. Readers are advised to consult a qualified contractor or design professional before undertaking construction or repair of an indoor facility. Rev 02/16*