

WHAT DOES THIS MEAN FOR MY FIELD?

The speed of the ball after impact will affect the reaction time necessary to address the ball in play. If the coefficient of restitution closely mimics that of a natural grass field, then your athletes will react naturally to the ball coming off of the surface. For example, in baseball if the coefficient is too high, the ball will skip or bounce faster off of the surface requiring a quicker reaction from the player. If the coefficient is low the surface will absorb the ball's energy and the ball will be slower getting to the player. This can present a problem when trying to quickly field a ball to throw the runner out.

These measurements are also important when it comes to the safety of your players. If the coefficient is too high it means the surface could be too hard, resulting in more impact related injuries. If the coefficient is too low the surface could be too soft which can result in more fatigue related injuries.

Shaw Sports Turf uses this calculation during testing to carefully engineer our turf surfaces for better safety and performance, delivering a playing surface that reacts more like natural grass.

