

Construction Materials Engineers, Inc. has operated in northern Nevada for more than 30 years and provides a large range of construction administration, materials testing, project inspection and geotechnical engineering services.

In addition to our accredited laboratory, professionally trained and certified staff, CME is now offering additional services including Synthetic Turf and Sports Surface Impact Testing.

CME understands that most synthetic and artificial turf fields are designed with a pad and infill to improve shock absorption but most importantly to prevent impact related injuries. Over time fields can become harder due to wear, weathering and displacement of the infill. Hence, a field should be shock absorbent tested after installation and thereafter on a regular basis. Among the critical information provided by these test procedures are the following:

Gmax Values (field hardness)
Impact Velocity
Severity Index
Head Injury Criterion
Turf and Infill Depths
Seam and Inlay Evaluations
Maintenance Recommendations (if desired)

The proper testing according to ASTM F355 and F1936, for both synthetic turf (artificial turf) and natural turf fields are now provided by CME. As well as ASTM F1292 for surface impact attenuation around playground equipment.

The community has asked for a local synthetic turf testing provider and CME has answered the call. With safety as one of our top priorities we are proud to add Synthetic Turf and Sports Surface Impact Testing to your list of services to ensure the safety of children and athletes on our local fields, playgrounds, schools and college campuses.

As a leader in the profession it is CME's desire to continue providing outstanding and accurate service.



CME Services:

- **Materials Engineering**
- **Geotechnical Engineering**
- **Project Inspection**
- **Materials Testing**
- **Contractor Quality Control**
- **Constructibility Consulting**
- **Construction Administration**

And now...

- **Synthetic Turf and Sports Surface Impact Testing**
 - **G-max Test or Shock Absorbency Test (ASTM F355 and ASTM F1936)**
 - **Impact Attenuation of Surface Systems under and around Playground Equipment (ASTM F1292)**