



## 19mm ELASTIC LAYER SHOCK PAD

### 2.0 PRODUCTS

#### 2.1 MATERIALS

##### A. Elastic Layer Shock Pad

The shock pad shall be 19mm in nominal thickness, energy absorbing, elastic layer. Composition to be 1 - 5mm SBR rubber, mineral aggregate and moisture cured polyurethane binder. Elastic layer system shall have demonstrated resistance to rot, mildew, water, freeze-thaw and compression set associated with normal athletic field use.

<u>Material</u>	<u>Lbs. / Sq. Yd</u>
1-5mm SBR Rubber Granules	18.0
Pea Gravel	18.0
Binder 200	<u>2.9</u>
Total	38.9

1. Shock pad shall possess these physical characteristics:

Thickness	19mm
Density	52 lbs./cu.ft.
Weight	40 lbs./sq. yd.
Shock Absorbency (ASTM F355)	110G's for total system (turf with underpad)

### 3.0 EXECUTION

#### 3.1 GENERAL

- A. The installation shall be performed in full compliance with approved shop drawings.
- B. Only factory trained technicians skilled in the installation of athletic caliber synthetic turf systems working under the direct supervision of Hellas Construction Inc.'s supervisors shall undertake the placement of the system.
- C. The surface to receive the synthetic turf system shall be inspected and certified by the manufacturer as ready for the installation of the synthetic turf system and must be perfectly clean as installation commences and shall be maintained in that condition throughout the process.



### 3.2 INSTALLATION

A. The subbase shall be inspected by the Engineer or Sitework Contractor by means of a laser level with a minimum 500 shots noted. Based on the Contractor's inspection of the topological survey, the Sitework Contractor shall fine grade the subbase suitably - including properly rolling and compacting the base. CONTRACTOR SHALL NOT APPROVE THE SUBBASE FOR TOLERANCE TO GRADE WITHOUT OBTAINING THE TOPOLOGICAL SURVEY.

B. The Project Superintendent shall thoroughly inspect all materials delivered to the site both for quality and quantity to assure that the entire installation shall have sufficient material to maintain proper mixing ratios.

C. The elastic layer is to be constructed in one lift. The field shall be constructed beginning at the top of the crown or middle of the field. The lift shall be laid running the length of the field, i.e.; from end line to end line. All joints shall be troweled with compaction by a paving machine operator *as the material is paved*. In addition, all seams shall be hand rolled. Cold pad joints and areas such as concrete curbing on which material lays or abuts may be primed with a polyurethane primer supplied by the binder manufacturer.

The elastic layer shock pad must be allowed to cure for 48 hours prior to installation of the synthetic turf system.

**Hellas Construction Inc.**

At the Top of the Game™

12710 Research Blvd. Ste. 240  
Austin, Texas 78759  
T 512.250.2910  
F 512.250.1960  
[www.hellasconstruction.com](http://www.hellasconstruction.com)