



Base layer for artificial turf with **shock pads**

General specifications for the gravel layer:

- Gravel base layer, water-permeable (crushed material for shear strength!)
 - Base layer thickness: min. 200 mm – max. 250 mm
 - Lower layer grain size 0/32 mm, at least 12 cm
 - Upper layer grain size 0/16 or 0/22 mm, at least 8 cm
 - Cross slope 0.5%
 - Base layer deformation modulus $E_{v2} = 60 \text{ N/mm}^2$
 - Evenness +/- 10 mm over 4 m

The requirements of the current DIN 18035 + Part 7 must be observed.

Notes on slope and installation height of the sports surface:

- Distance from top of gravel layer to top of curb = installation height of sports surface incl. elastic layer
 - Installation height as specified by us (varies depending on the artificial turf system)
 - Base layer, curbs and paving should be laid with the same slope to ensure an even installation height across the whole pitch.

Notes on leveling the gravel layer:

- The gravel layer is rolled and compacted with a standard roller.
 - Wherever hollows/holes appear, fill with material and screed (with a laser grader).
 - Then roll again (with a small roller) and screed again.
 - Then check evenness with a 3 m straightedge (across the whole area, in several directions).
 - If necessary, roll and screed again.

Important:

Particularly careful preparation of the gravel layer is essential for an even appearance of the finished artificial turf. The shock pad mats do not even out even minor unevenness; instead, it will be visible and noticeable in the surface. SoccerGround accepts no responsibility for this.

It must be possible to work on the gravel layer without leaving any marks!

High resistance to foot traffic and shear is important so that the subsoil is stable, the material does not shift under load and the surface stays level over the long term.

