

INFO SHEET

Base layer for turf with shock pads

General specifications for the gravel layer

- Gravel base layer, water-permeable (crushed material for shear strength!)
- Base layer thickness: min. 8 – max. 10
- Lower layer grain size 0–1¼, at least 4¾ thick
- Upper layer grain size 0–⅝ or 0–⅞, at least 3⅝ thick
- Cross slope 0.5%
- Base layer deformation modulus $E_{v2} = 8,700$ psi (60 N/mm²)
- Evenness $\pm \frac{3}{8}$ over 13 ft
- 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 court

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 13 ft straightedge across the whole area, in several directions
- If necessary, roll and screed again

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. Unevenness will be visible and noticeable in the surface; SoccerGround accepts no responsibility for this.

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Examples



✓ Gravel layer level & shear-resistant

✗ Uneven & poorly compacted (top) · ✓ Level & shear-resistant (bottom)



Small space.
Big game.

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