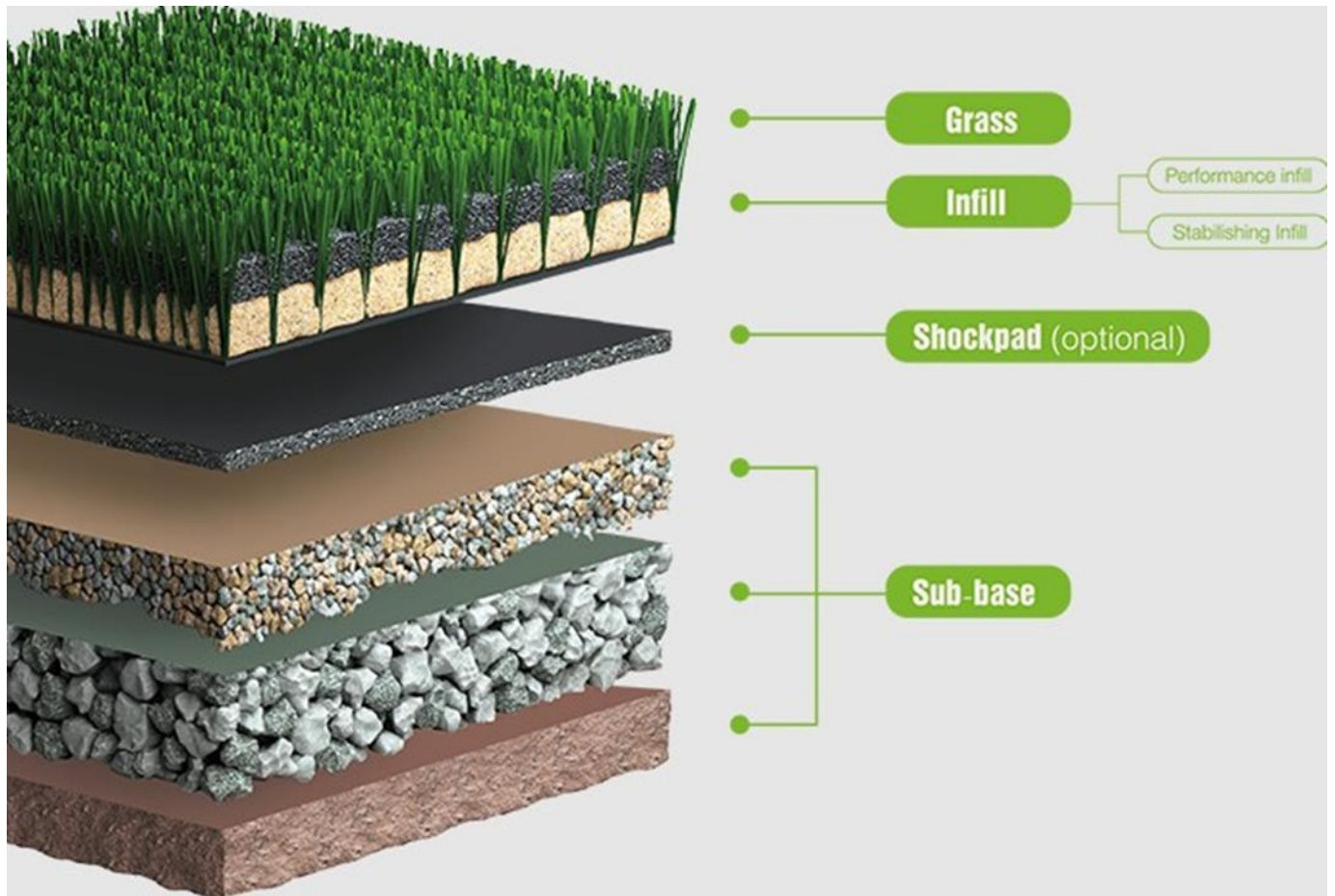


Online Resource 1.1

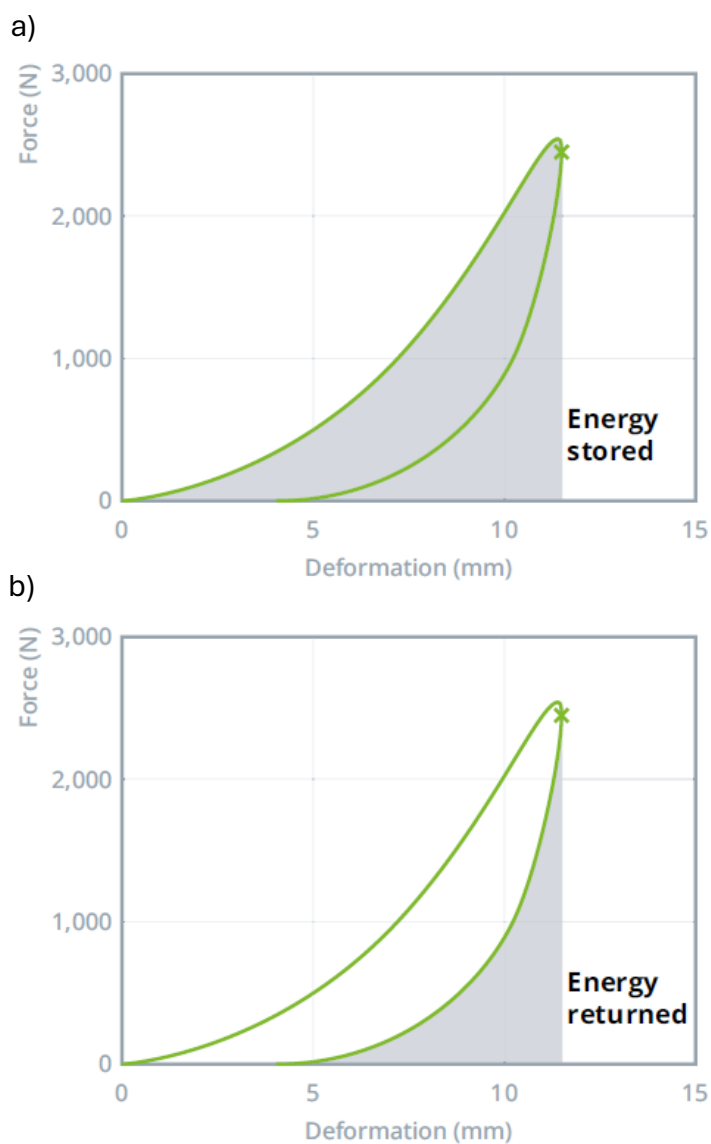
Schematic of typical artificial grass system used in football¹.



¹ <https://www.ccgrass.com/artificial-grass-infill-in-modern-turf-systems/>. Accessed January 2026.

Online Resource 1.2

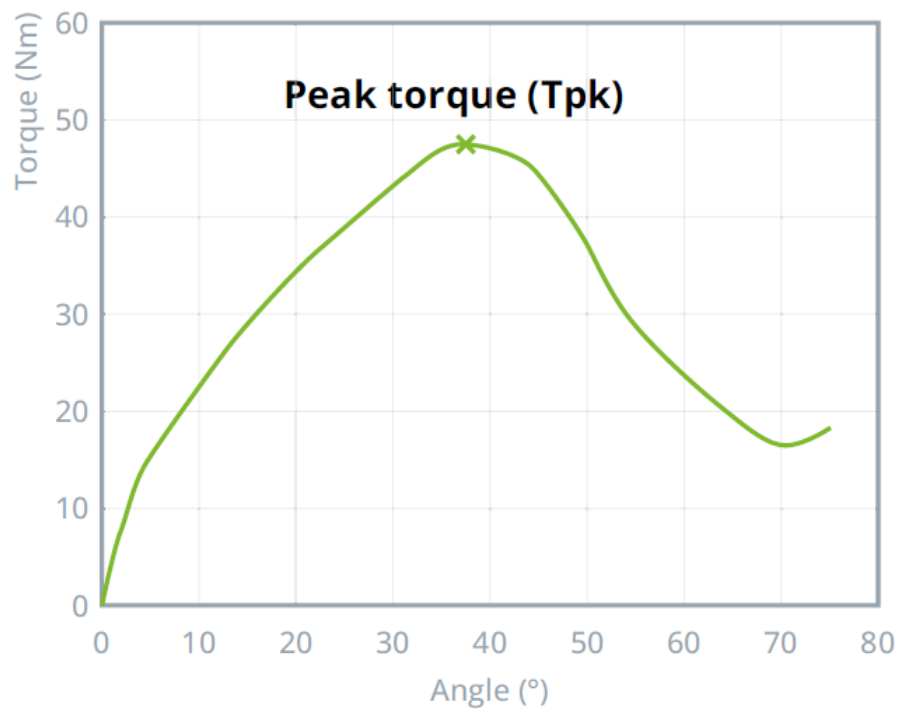
Example curves of the test specimen force versus deformation, illustrating (a) the area under the loading curve or energy stored and (b) the area under the unloading curve or energy returned to the falling mass².



² FIFA. FIFA Quality Programme for Football Turf. Test Manual I: Test Methods. 2024.

Online Resource 1.3

Example plot of torque versus angle from a measurement trial using the RTA³.



Article title: The Vertical Compliance and Rotational Stiffness of Football Surfaces

Journal name: Sports Engineering

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³ FIFA. FIFA Quality Programme for Football Turf. Test Manual I: Test Methods. 2024.