

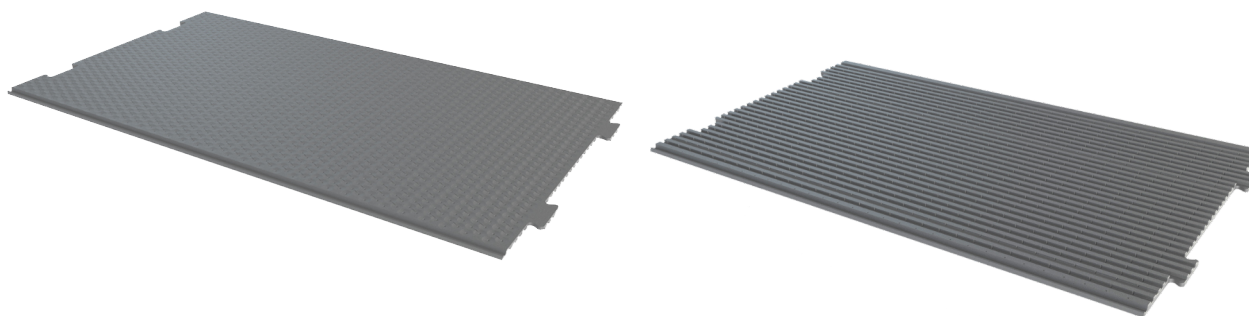
SHOCK PAD SPORTS E23

technical data sheet overview



The SportS E23 are high-quality, prefabricated shock pads, made from expanded polypropylene foam and specially developed for artificial turf sports fields with high quality requirements and which should meet standards such as FiFa, DIN, World Rugby, etc.

As an additional feature, the SportS E23 pads have horizontal drainage channels.



The Refoam SportS E23 shock pads are made of - partly - recycled Expanded Polypropylene (EPP).

EPP is a very high quality closed cell foam that offers a unique range of properties including excellent energy absorption, multiple impact resistance, thermal insulation, water and chemical resistance and 100% recyclability.

The Joosten Refoam SportS E23 shock pads have excellent vertical and horizontal. The additional horizontal drainage channels, make the SportS E23 shock pads extremely suitable for use on impermeable surfaces.

Technical properties

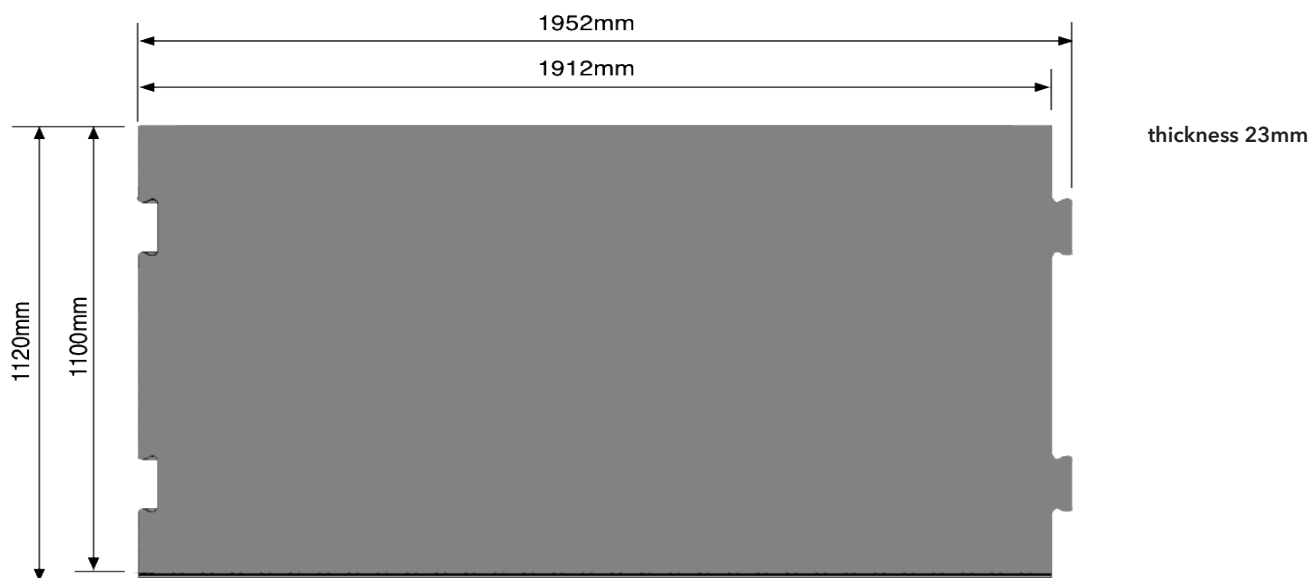
	SportS E23/50	SportS E23/40	SportS E23/30	
material	expanded polypropylene			
density	50 gr/ltr	40 gr/ltr	30 gr/ltr	
thickness	23 mm			
mass per unit area	0.77 kg/m ²	0.63 kg/m ²	0.47 kg/m ²	
tensile strength	> 0.5 MPa			EN 12230 - 2
environmental impact assessment	approved			DIN 18035-7
water permeability	33537 mm/hr			EN 12616
lateral drainage @ slope 0.6% (i=0.006)	1.644 l/s.m			EN ISO 12958 CEN TC217

Sport technical properties



	SportS E23/50	SportS E23/40	SportS E23/30	
force reduction	65.1 %	71.2 %	72.3	CEN/TS 16717 (AAA)
vertical deformation	7.3 mm	11.2 mm	13.1 mm	CEN/TS 16717 (AAA)
energy restitution	34.7 %	33.8 %	44.6 %	CEN/TS 16717 (AAA)

Dimensions



Environment



Our sports elastic layers are free of heavy metals and contain no hydrocarbons, volatile organic components or other elements classified as environmentally harmful. The elastic layers meet the very strict environmental 2011/65/EU Directive on hazardous substances.



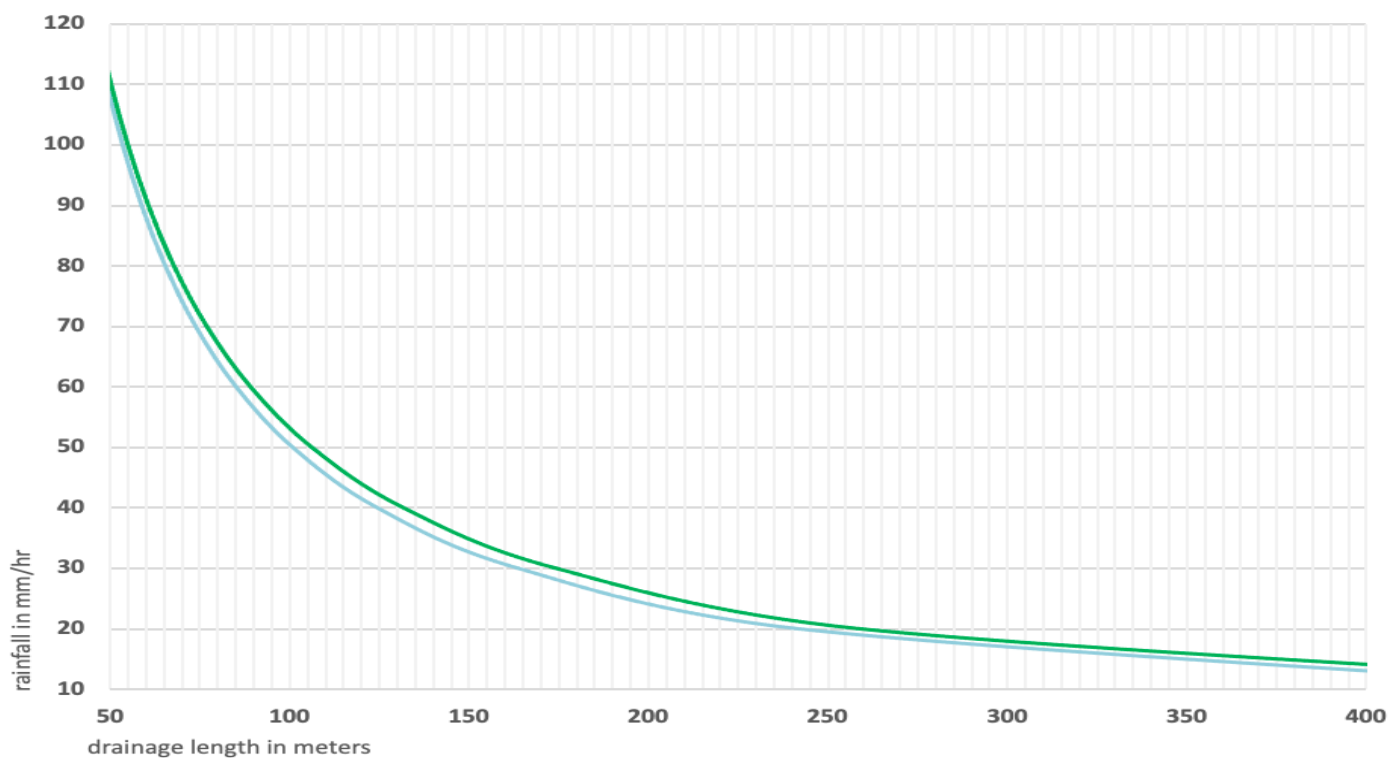
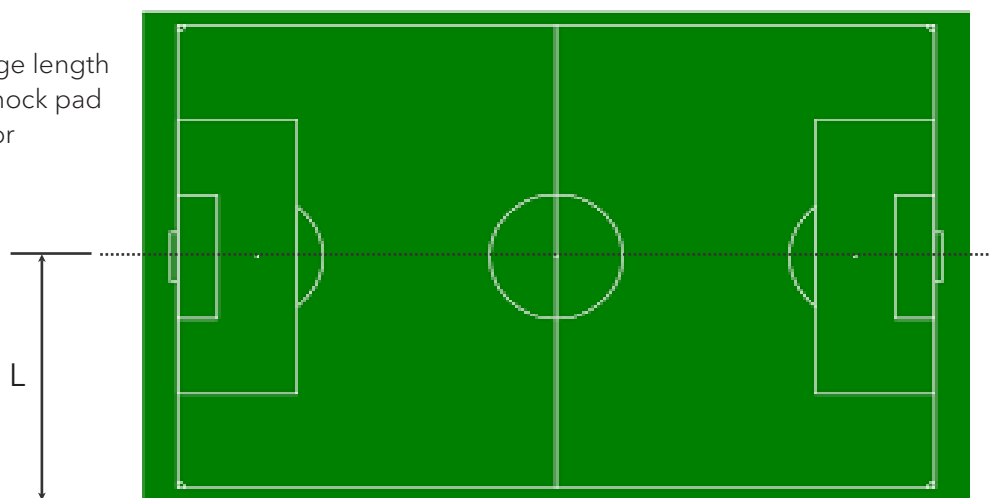
The sports elastic layers are 100% recyclable.



All foam shock pads are supplied on a roll and are therefore quick and easy to install. Consult our Installation Manual how to install the Joosten Refoam SportS E shock pad.

Horizontal drainage

The graph below shows the drainage length "L" the Joosten Refoam SportS E shock pad can drain water without the need for additional drainage.



rainfall classifications Europe.

- light rain < 2.6 mm/h
- moderate rain 2.5 - 7.6 mm/h
- heavy rain 7.6 - 50 mm/h
- violent rain > 50 mm/h

source : <https://en.wikipedia.org/wiki/Rain>

DISCLAIMER. These specification are based on in-house and independent laboratory tests, literature and/or calculations, to the best of our knowledge, true and accurate. All values are average. This publication replaces all previous data sheets. Refoam however, cannot guarantee the total accuracy of the information included. Refoam reserves itself the right to change this specification and/or product without notice. Refoam assumes no legal responsibility for use or reliance of data.