

## Requirements artificial turf system

1. Approved FIFA QUALITY or IMS laboratory test report from an independent FIFA accredited test institute for the exact same artificial turf system that is offered and will be installed
2. Documentation confirming that the artificial turf system meets these requirements:
  1. Stabilising infill (see below)
  2. Performance infill (see below)
3. Approved Norwegian field test report carried out by an independent FIFA accredited test institute, 2-5 months after the installation of the artificial turf system.

## Additional requirements

### 1. Stabilising infill

- Packaging (Big Bags) must be marked with name of manufacturer and specifications of its content with production- / batch number.
- The delivery shall be documented with a consignment note with specified delivery date, supplier, quantity and weight

**Table 1.1** – Product declaration / test results

Properties	Test method	Requirements
Particle size range	EN 933-Part 1	0.125 – 2.0 mm
Minimum silica content		≥ 90%
Maximum content 1.0-2.0mm		≤ 5%
Maximum content 0.125-0.250mm		≤ 2%
Maximum content < 0.5 mm		≤ 5%
Fine content < 0.125mm		0%
Large content > 2.0mm		0%
Particle shape roundness	prEN 14955	≥ 80 % round

### 2. Performance infill

- Packaging (Big Bags) must be marked with name of manufacturer and specifications of its content with production- / batch number.
- The delivery shall be documented with a consignment note with specified delivery date, supplier, quantity and weight
- The quality of the stabilising infill must be identical to the one used in the FIFA QUALITY / IMS laboratory test

**Table 2.1** – Product declaration / test results.

Properties	Test method	Requirements
Elastomer content*	TGA	≥ 20%
Particle size range	ISO 13322-2 / EN 933-Part 1	0.8 – 3.15 mm
Particle size < 0.5mm	ISO 13322-2	< 1 %
Inhalable E-dust	EN 15051	< 200 mg/kg
Inhalable T-dust	EN 15051	< 40 mg/kg
Inhalable A-dust	EN 15051	< 50 mg/kg
Zink (Zn) in hydrous eluate	DIN 18035-7	≤ 0.5 mg/l

Free metal content	OA-698	< 0,005 %
Free fibre content	OA-698	< 0,002 %
Free mineral content	OA-698	< 0,005 %
PAH 8 REACH	AfPS GS 2014:01 PAK	≤ 20 mg/kg

\*Applies for EPDM only.

### Notification performance infill

- The infill (granules) used in an artificial turf system must be delivered from the same producer as the infill used in the approved FIFA Quality/IMS laboratory test.
- If the supplier does not have a full laboratory test of the system with the exact same type of granules as the offered system, the system may be considered acceptable with other types of granules if the system is approved with another type of infill and the supplier guarantees that the functional requirements of all the requires tests are satisfied for the installed system.
- In artificial turf systems where performance infill is applied, the depth of the performance infill shall be ≥ 15mm

## Tekniske krav til kunstgresssystemet

Kunstgresset skal være av høy kvalitet med svært gode egenskaper til å holde seg oppreist over tid og med høy slitestyrke.

### 1.1 Kvalitetskrav kunstgress (40-45mm monofiber med støtdempende pad):

Fiberlengde	40-45mm
Innfyllsdybde sand (ved overtakelse)	≥10mm
Fri stråhøyde (ved overtakelse)	≤15mm
Fibervekt (40mm)	≥1350g/m <sup>2</sup>
Fibertykkelse	≥400µm
DTex per fiber	≥2500g/10000m