

## HORIZONTAL DRAINAGE SYSTEM FOR ARTIFICIAL TURF PITCHES

A high performance planar geocomposite specially designed for the drainage system beneath artificial turf pitches, to replace the traditional system with aggregates and drainage pipes.



**MacDrain Sport TRT and MRT** series are geocomposites engineered for planar drainage systems to be installed beneath artificial turf pitches. MacDrain Sport also provides excellent elastic and rebound performance that are crucial for the safety of sportspeople using the pitch.

**MacDrain Sport MRT** (membrane type) is produced by thermo-bonding a draining core in extruded Polypropylene monofilaments with one filtering nonwoven geotextile - that may also be working as separation or protecting layer - and one laminated layer at the bottom with separation function.

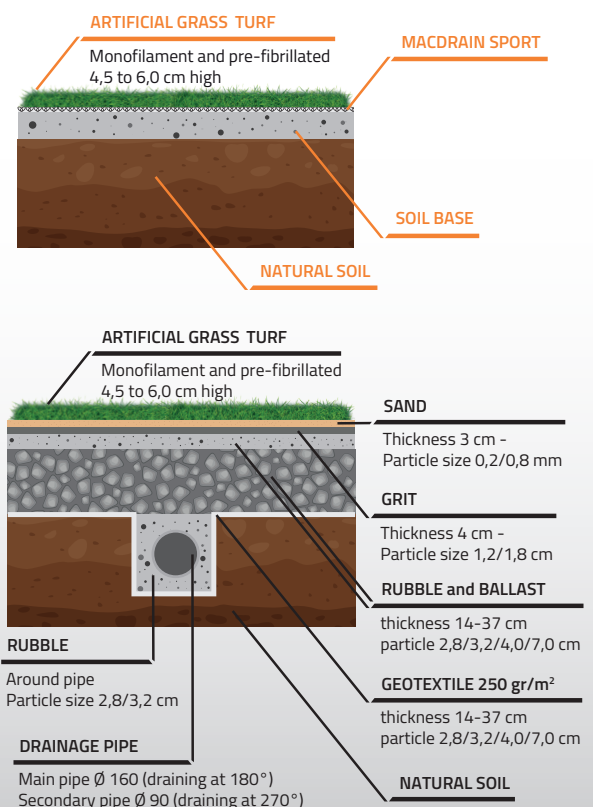
**MacDrain Sport TRT** is produced by thermo-bonding a draining core in extruded Polypropylene monofilaments with two filtering nonwoven geotextiles. The superior geotextile has characteristics of high permeability. The product is supplied in rolls having a trimmed profile (no overlap is needed on site).

### Innovative Horizontal Drainage with MacDrain Sport








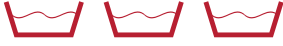
MacDrain Sport range of geocomposites by Maccaferri has created an innovative and completely different drainage system with a horizontal flow, for artificial turf pitches. The structural channels parallel to the flow direction make MacDrain Sport an efficient system to rapidly drain water to the long-sides of the pitches.

### Traditional Drainage System with Aggregates

The overall aggregate thickness can vary between 200 and 400 mm and the minimum permissible permeability is  $1 \times 10^{-4}$  m/s (360 mm/h)



# MACDRAIN SPORT

AGGREGATES 		MACDRAIN SPORT 
	Vehicles entering the worksite	
	Time required to create the foundation	
	Long term drainage capacity	
\$\$\$	Overall project costs	\$



HIGH DRAINAGE CAPACITY



FITTED IN OVER 450 PITCHES WORLDWIDE



LOWER COST FOR THE WORK



AVAILABLE WITH IMPERMEABLE MEMBRANE\*



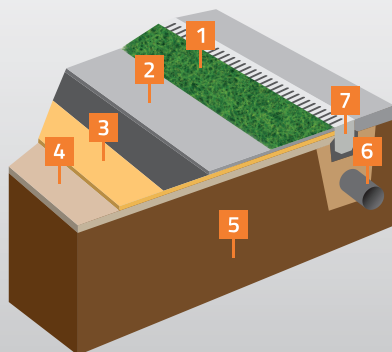
QUICK AND EASY TO INSTALL



LIFESPAN OVER 25 YEARS



RECYCLEABLE AND ENVIRONMENTALLY FRIENDLY



**Key:**

1. Artificial Turf
2. MacDrain Sport
3. Bedding Layer
4. Compact Stabilized Material
5. Natural Soil
6. Collector (ø 160mm)
7. Prefabricated channel with galvanized grating



\*) MRT Type

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 Gruppo Industriale Maccaferri