

polytan



POLYTAN CLEARTURF M2

THE SAFE AND ECO-FRIENDLY SOLUTION FOR
PROTECTING YOUR SYNTHETIC HOCKEY TURF

THE SAFE AND ECO-FRIENDLY SOLUTION

Polytan ClearTurf M2 is an environmentally-friendly, non-hazardous solution for permanently protecting hockey turf systems against the consequences of biological soiling such as leaves or air and water pollution.

The necessary regular irrigation of the synthetic hockey turf ensures that the surface is permanently moist. Blue and red algae can settle on the turf base and in the spaces between the turf fibres. Shadows and environmental influences such as leaves, pollen and fine dust further intensify and accelerate the growth of algae. Heavy and extensive infestation can not only endanger the health of players due to the toxins contained in the algae, but can also significantly impair the functional properties of synthetic turf. Algae infestation can also be seen through discolouration of the playing field and the lines.



The storage tank for the highly active disinfectant solution and the salt solution container, which includes an integrated softener system, will be integrated into the irrigation circuit.

PREVENTION REDUCES CLEANING EFFORT

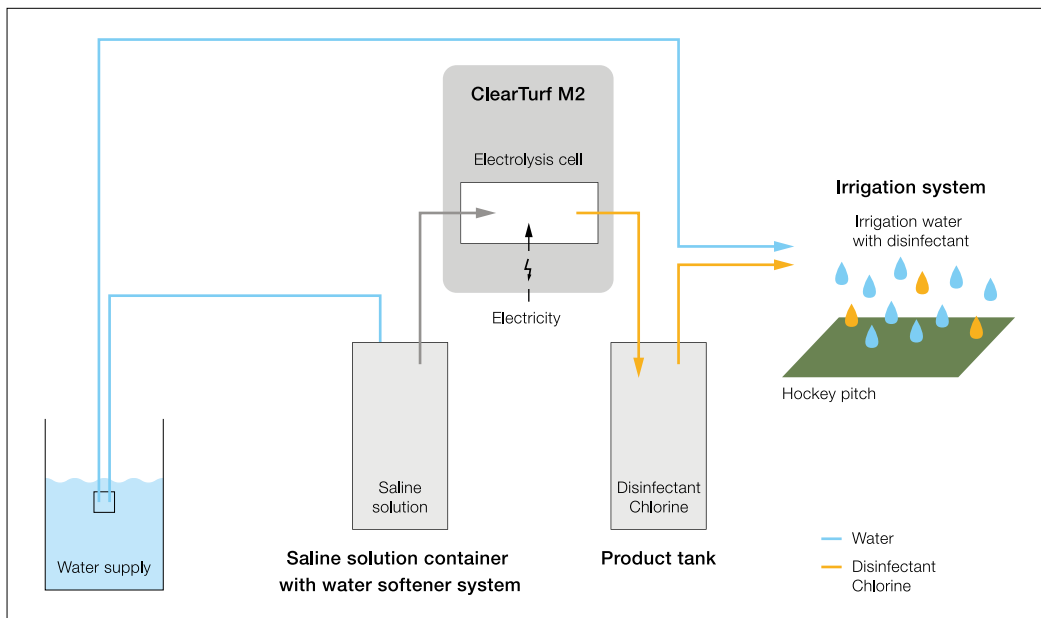
The ClearTurf M2 system is a water treatment system which is integrated into the sports facility's irrigation circuit. The scope of the Clear Turf M2 system is determined based on an analysis of the irrigation water. There are usually two models available for installing the system. In both cases, the system optimises the pH value of the irrigation water and extracts disinfecting chlorine from the feed water with the help of the ClearTurf M2 electrolysis cell. This chlorine is then added to the irrigation water in a dosed manner. Using this treated water for irrigation prevents algae infestation when used regularly and therefore significantly reduces the maintenance required for the synthetic hockey turf. If, for example, increased limescale values or iron values are determined in the irrigation water, then a treatment plant can also be integrated into the system where water is supplied via a(n intermediate) cistern to remove these problematic ingredients.

Model 1: Synthetic hockey turf irrigation system with ClearTurf M2-B

For high water quality or direct irrigation from the groundwater well

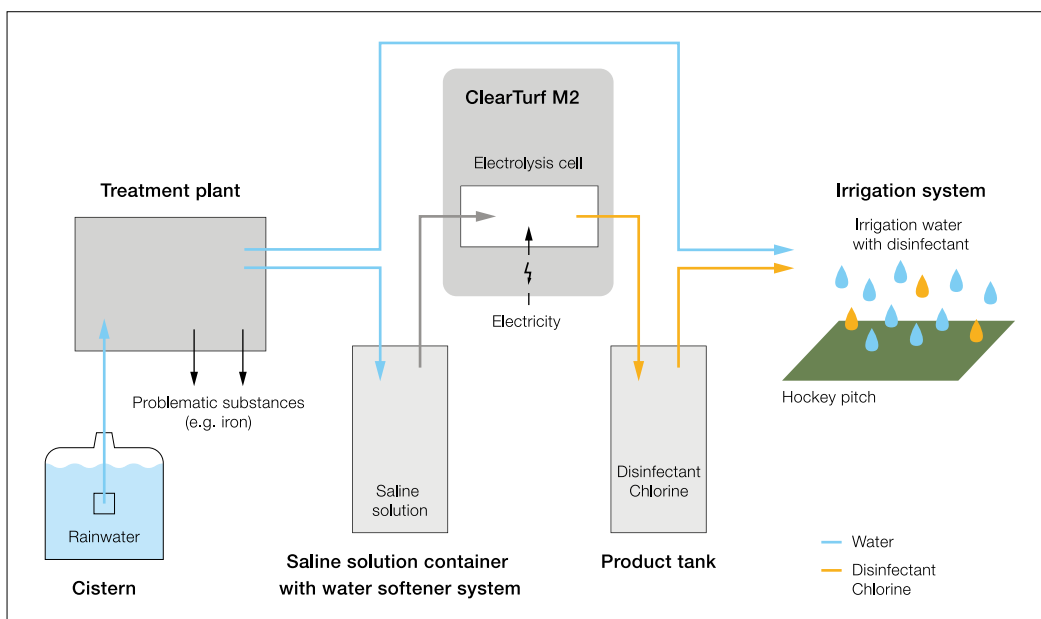
The constantly fresh, highly active disinfectant solution from the corresponding storage tank also covers peaks in demand.

Saline solution container including integrated water softener system



Model 2: Synthetic hockey turf irrigation system with ClearTurf M2-Z

In case of additional water pollution and irrigation from one (intermediate) cistern



TESTED AND ENVIRONMENTALLY FRIENDLY

Until now, unauthorised biocides have often been used to clean fully synthetic turf pitches and these substances, which attack the turf fibres, can also be washed out into the groundwater when it rains. The ClearTurf M2 system, on the other hand, creates no such hazards. The system has been tested for environmental compatibility and groundwater protection by independent laboratories and has also been successfully used and tested in practical situations at several hockey facilities. These studies were additionally audited and monitored by staff and graduates from Geisenheim University. The ClearTurf M2 system therefore provides a tested and environmentally-friendly method for optimally protecting the synthetic hockey turf without affecting the guarantee and warranty claims for the synthetic turf.

CLEARTURF M2 ADVANTAGES AT A GLANCE

- Permanently prevents contamination by algae and other pollutants in synthetic turf
- No risk to people or the environment
- No damage to synthetic turf filaments
- Preservation of the product warranty
- Long-term financial savings due to reduced care and maintenance effort
- Reduces the risk of accidents
- Increases playing comfort with a clean sports surface



Hockey turf prior to using ClearTurf M2 system
(or care and maintenance solution/cleaning solution)



Hockey turf with regular use of ClearTurf M2 system