

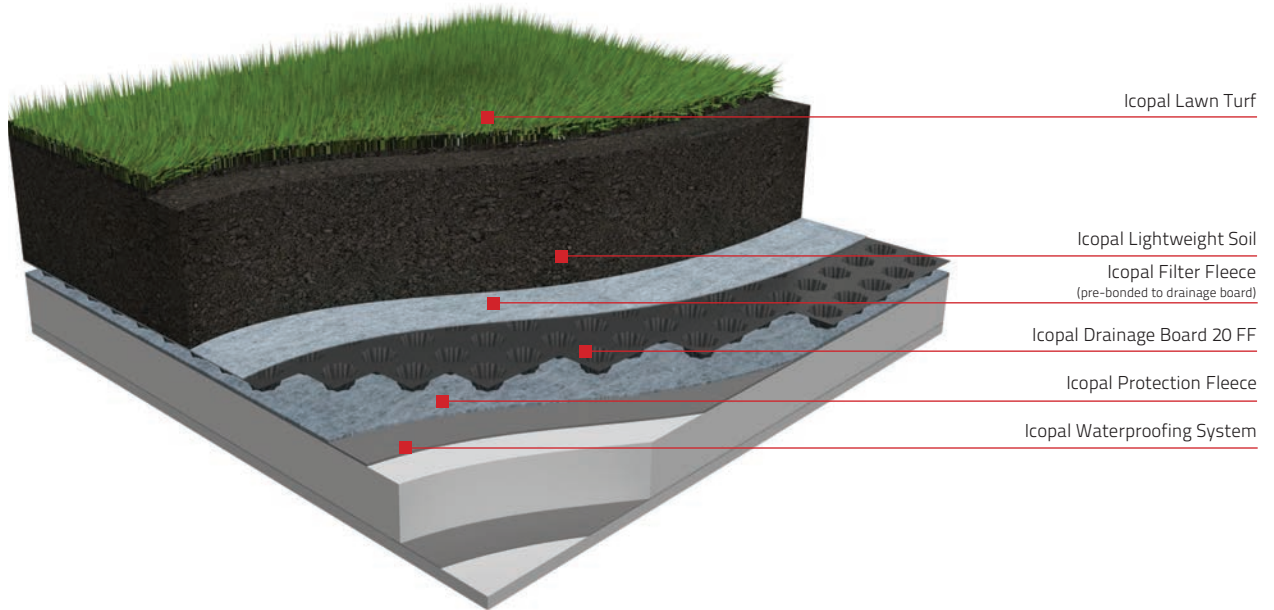


# Icopal ST Lawn Turf System



Code: 3101069

An intensive green roof system designed to create a recreational or visual space with a lawn turf planting. Provides an immediate green planting scheme for instant impact. The turf is installed on a specially formulated free-draining topsoil and drainage board.



## System Properties

The following data relates to the green roof element only.

<b>System Dry Weight:</b>	240 kg/m <sup>2</sup>
<b>System Saturated Weight:</b>	300 kg/m <sup>2</sup>
<b>System Typical Depth:</b>	255 mm
<b>Growing Substrate Depth:</b>	200 mm (settled)
<b>Contouring:</b>	Flat/level

Biodiversity: ● ● ● ● ●

Pollen/Nectar Richness: ● ● ● ● ●

Habitat Provision: ● ● ● ● ●

## Key Features

- Generally suited structures with greater load-bearing capacity.
- Durable hard-wearing 'sports turf' grass.
- Low range of bio-diversity.
- Low provision of pollen to attract insects.
- Generally suited to flat roofs.
- Higher levels of maintenance required - in terms of irrigation, mowing, weeding and feeding.
- Creates a useable recreational or visual space.
- Provides an instant green coverage.



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## Plant Species

Green, precultivated UK grown 'sports' turf. Used for ground based landscape as well as turf roof applications.

## General Notes

The system is suitable for both new build and refurbishment projects. Generally installed on flat roofs to a fall, but can be installed on roofs with shallow pitches where a retention system is required. All slopes over 5° will require a mechanically fixed eaves edge restraint.

## Irrigation

**Initial:** Irrigation is required immediately after installation, until the turf is fully established. This could be for a period of up to 8-12 months. During the establishment period irrigation should be frequent to keep the substrate moist.

**Once established:** It is highly recommended that a suitable permanent irrigation system is installed to ensure the turf survives periods of hot dry weather. Pitched roofs retain less water and so will require additional irrigation.

**Water Source:** A roof top source with a pressure of 2.5 – 3 bar and a flow rate of 60 L/min is recommended to connect a temporary system if required.

## Maintenance:

As with terrestrial lawns, the grass will need regular mowing during the growing season. However it can be left to grow longer if required to produce a grass "meadow" look.

Weeds should be removed periodically through the year to reduce the likelihood that they become dominant. It is recommended that a suitable fertiliser is applied to keep the grass healthy. This may be a spring feed of slow/controlled release fertiliser to last the growing season, or more regular granular/liquid feeds throughout the growing season.

## Detailing

A border with a recommended width of 300 – 500 mm of washed river stones (20 – 40 mm diameter) should be used around all roof penetrations, outlets, perimeters and system edges to provide a vegetation free zone.



**Type:** UK grown 'sports' turf.

**Site Hardened:** 6 months field established.

**Species:** 4.

## Typical Species:

- Perennial Ryegrass, Slender Creeping Red Fescue, Strong Creeping Red Fescue and Chewings Fescue.

**Establishment Period:** 6 – 8 months.



For more information please visit

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