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| Issue 01 | | | |

Icopal Lawn Turf

Green Roof Systems



Introduction

Transforming a roof space into a recreation area, a lawn can provide a place for relaxation for building occupants. It can also reduce the impact of a building and enhance its aesthetics helping it blend into the surrounding area. A lawn can also provide storm water run-off attenuation.

Description

Icopal Lawn Turf is a pre grown vegetation blanket comprising a 20 mm deep growing medium with a range of grasses providing a lush green durable "sports turf".

Intended Use

Icopal Lawn Turf is intended for use in intensive green roof lawn applications as part of the Icopal Intensive Lawn System. As the turf is pre grown it provides a green roof with an instant impact.

Application

The Icopal Lawn Turf is to be used in conjunction with the relevant specified components of the Icopal Intensive Lawn System. It can be used on both flat roofs and, when properly specified, on sloping roofs with suitable restraint systems in place. The roof deck and any associated planters should have sufficient drainage points to quickly drain away surface water and prevent excessive waterlogging.

Properties

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| Size | Standard : 0.61 m x 1.64 m; Large: 0.75 or 1.1 m x 2.8 m |
| Mat Weight | 15 kg·m ⁻² (dry) 20 kg·m ⁻² (wet) |
| Depth | 20 mm |
| Composition | Blend of high quality seed on nutritious soil base |
| Composition: Growing Medium | 20mm root zone soil |
| Composition: Vegetation | Mature grass |
| Species Sown | Perennial Ryegrass, Slender Creeping Red Fescue, Strong Creeping Red Fescue, and Chewings Fescue. |



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Surface Preparation

The Icopal Lawn Turf must be laid on the Icopal Lightweight Top Soil at a minimum depth of 150 mm. The finished surface of the soil mix must be firm and level when the Icopal Lawn Turf is laid to ensure a good contact between the substrate and the plant roots. This will ensure a more successful establishment phase.

Installation Details

The Icopal Lawn Turf should be handled with care to avoid any damage. Ensure the Icopal Lightweight Top Soil is raked level and firmed before the turf is unrolled over it.

Unroll the turf with the loose end firmly up against the starting edge. Ensure that the edges of the roll are firmly butted up against those of the neighbouring rolls. It is important to ensure that there are no gaps between rolls.

It is also important that once laid the turf is frequently watered to prevent drying out until the roots are fully established into the soil. It is therefore essential that there is a means of getting water onto the roof. The establishment period is generally between 8 – 12 months.

Aftercare

Once established it is highly recommended that a suitable permanent irrigation system be installed to ensure the turf survives periods of hot dry weather. Pitched roofs retain less water and so will require additional irrigation. As with terrestrial lawns, the grass will need regular mowing during the growing season. 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.

NOTE: This information is given in good faith being based on the latest knowledge known to Icopal Limited. Whilst every effort has been made to ensure the contents of the publication are current while going to press, customers are advised that products, techniques and Codes of Practice are under constant review and liable to change without notice. Up to date information is available from our Technical Services Department on request.

Responsibility cannot be accepted for the application of products, and no claims can be considered, where the manufacturer's instructions have not been followed. The user should not assume, based on information provided in this sheet, that the product is suitable for any abnormal use.

All products are sold subject to our standard conditions of sale, available on request.

NBS Specification

Icopal Lawn Turf is specified using the following:

Clause: Q37/400

Product: Icopal Lawn Turf

Supplier: Icopal Ltd. Barton Dock Road, Stretford, Manchester, M32 0YL. Tel: 0161 865 4444.



Delivery and Storage

Icopal Lawn Turf rolls are delivered on pallets.

Icopal Lawn Turf should be programmed for delivery on the day of installation. The turf should only be left rolled up prior to installation if there is no chance that they will deteriorate.

It may be necessary that if the Icopal Lawn Turf cannot be installed on the day of arrival to site, they need to be unrolled to prevent overheating and allow air to move over them. It is important that whilst unrolled, they are kept moist, either by natural rainfall or by irrigation. If in any doubt, please seek advice from Icopal Limited.

It is not possible to lift and therefore deliver the Icopal Lawn Turf in temperatures where the turf is frozen.

Technical Services

Specialist advice and design guidance on all matters relating to Icopal green roof systems is freely available from our Technical Department at the address below.