

GREENROOFTOPS SEDUM BLANKET – PRODUCT DATA SHEET

Introduction

Sedum species are ideal use within extensive green roof systems. They are drought tolerant, able to withstand dry conditions that will kill off most other plants. This means for a minimal maintenance roof cover sedum is ideal as it will out survive any weeds that may get established, ensuring that your roof vegetation remains stable. It can also grow on relatively shallow substrates reducing the extra weight of the green roof to the minimum. There are many species with a wonderful range of form and colour. They generally flower throughout the summer and early autumn. Sedum plants thrive in full sunlight and certain varieties also do well in shade conditions eg under tree cover

Description

The Green Rooftops mixed sedum mat comprises of a recycled polyester fibre mat, with a thin layer of specialist green roof substrate which the sedum plants themselves grow. The Sedum is grown from seed containing 16 different species. These different varieties have a range of different flowering periods resulting in constantly changing colours throughout the summer and early autumn .

Application

The Green Rooftops Roof Sedum Mat is to be used in conjunction with the relevant specified components of the Green Rooftops System. It can be used on both flat roofs with minimum fall of 1:60, and when properly specified, on sloping roofs. The roof deck should have sufficient drainage points to quickly drain away surface water and prevent ponding. Sedum plants are hardy and can withstand dry conditions, but do not like to have excessive water saturation within the root zone.

Surface Preparation

The Green Rooftops Roof Sedum Mat must be laid on the Green Rooftops Extensive substrate at a minimum depth of 20mm.

The finished surface of the extensive substrate must be level when the Green Rooftops Roof Sedum Mat is laid to ensure a good contact between the substrate and the plant roots. This will ensure a quicker establishment time.

Performance and Properties

Standard Roll Size 2.0m x 1.0m (2.0 m²)

Roll Weight (approx) 15-20kg/m² (dry) 30kg/m² (saturated)

Mat Composition Recycled polyester fibre mat, with light weight green roof substrate and sedum plants

Sedum – Mixed species - Sedum Acre - Sedum Aizoon - Sedum Album - Sedum Ellacombianum - Sedum Floriferum - Sedum Hispanicum - Sedum Hybridum Czar's Gold - Sedum Montanum - Sedum Oktoberfest - Sedum Oreganum - Sedum Pulchellum - Sedum Rupestre – Sedum Sexangulare - Sedum Spurium – Sedum Telephium Fabaria - Sedum Stoloniferum

Mat Thickness 25-40mm

Vegetation Coverage 90% (minimum)

30 m² per pallet

Pallet Size 1.0m x 1.2m 500-900kg

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.

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Installation

The Green Rooftops Sedum mat should be handled with care to avoid any damage. Ensure the Green Rooftops substrate is raked level before the mats are unrolled over it. Unroll the mat 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 if laid during drought conditions the sedum mats are frequently watered to prevent drying out until the roots are fully established into the substrate.

Delivery And Storage

Green Rooftops Sedum Mats are delivered by lorries on pallets with approximately 30m² of mat per pallet. It is the customers responsibility to ensure that the delivery address is suitable and unloading arrangements have been agreed prior to ordering. Unless otherwise agreed it is assumed that the customer will have unloading facilities. The Sedum mats should be programmed for delivery on the day of or the day before installation. The mats should only be left rolled up prior to installation if there is no chance that they will deteriorate. As guidance the mats may only be left rolled up as follows;

relating to temperature: -

Below 0oC – Do not allow the mats to freeze or they cannot be laid without damage

1 – 10 oC - 3 to 4 days

11 – 20 oC - 2 days

21 – 25 oC - install on day of arrival

Above 25 oC - not advisable to install

If Sedum Mats 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 Vella Ltd. It is not possible to lift and therefore deliver the Green Rooftops Sedum Mats in temperatures where the mats are frozen. It is not advisable to arrange delivery of the Green Rooftops Sedum Mats in temperatures over 25oC, as this can lead to the rapid deterioration of the mats in transit or while waiting to be installed.