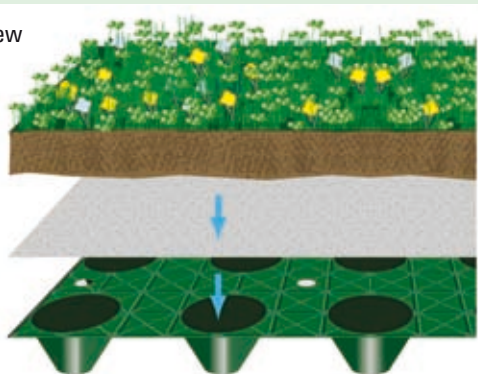


# **OLDROYD® Fixing Guide for Flat Green Roofs**

A step-by-step guide to assembling a green roof with up to 10° pitch

Follow the steps detailed in this guide to create a complete flat green roof...

## 1. Overview



Typically the studded, perforated Oldroyd Xv20 GreenXtra membrane is laid over a suitable exterior grade flat roof waterproofing membrane, together providing roof waterproofing and drainage. Oldroyd Tp filter fleece is laid on top of the drainage layer followed by roof soil and plants.



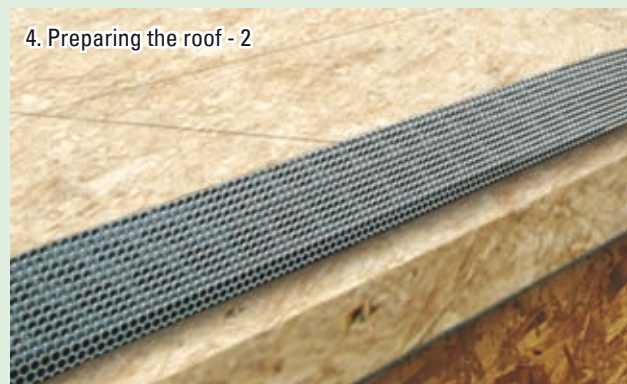
Good quality exterior grade flat roof waterproofing membrane, root barrier (if not provided by the waterproofing membrane), Oldroyd Xv20 GreenXtra drainage membrane and Oldroyd Tp filter fleece.

## 3. Preparing the roof - 1



A roof is typically constructed from a timber or concrete deck, with a minimum 1° pitch to prevent ponding. Ensure it is strong enough to take saturated weight of soil and plants (check with supplier).

## 4. Preparing the roof - 2



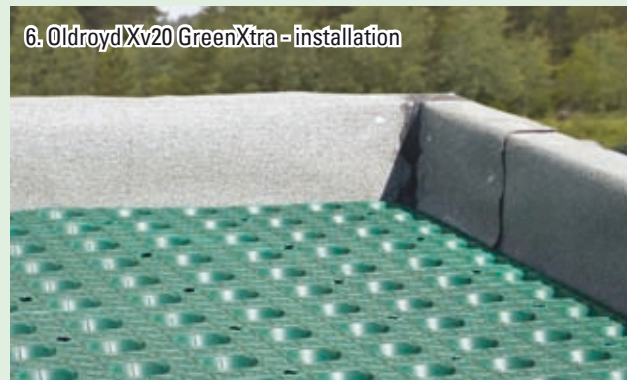
Perimeter upstands will be required to retain the soil and plants. Ensure the draining edge is perforated or a gap is created for free drainage of excess water off the roof.

## 5. Waterproofing



The roof should be waterproofed with a good quality exterior grade flat roof waterproofing membrane, and any penetrations should be waterproofed accordingly. It is recommended that waterproofing is done by an experienced contractor. Guttering should now be installed if required.

## 6. Oldroyd Xv20 GreenXtra - installation



If the waterproofing layer is not a root barrier, then a physical root barrier should be installed on top of it. The Oldroyd Xv20 GreenXtra sheets are loose laid on top of the waterproofing/root barrier. Note that the sheets will be held in place by the weight of the soil and plants.

#### 7. Oldroyd Tp filter fleece - rolling out



The Oldroyd Tp filter fleece is rolled out over the drainage membrane and returned up around soil to prevent any soil loss. A 300mm gravel border is recommended to provide ballast, prevent soil erosion at edges and act as a fire break.

#### 8. Soil



The roof soil or substrate is then loaded on to the roof by placing it directly on top of the filter fleece.

#### 9. Spreading



The soil or substrate should be spread evenly to a suitable depth for the plants. This will vary according to the chosen plants (check with your supplier).

#### 10. Install your plants

**You can choose...**



Small shrubs and flowering plants



Sedum blankets

A biodiverse rooftop



## A completed roof...



Visit [www.fixoldroyd.com](http://www.fixoldroyd.com) for more information on the construction of green roofs.

Oldroyd cavity drainage membranes are distributed in the UK by Safeguard Europe Ltd. Contact us for more information by telephone on **01403 210204** or email us at [info@safeguardeurope.com](mailto:info@safeguardeurope.com).

[www.safeguardeurope.com](http://www.safeguardeurope.com)

**Note:** These steps are intended as a guide only, and before assembling a green roof we would advise contacting our technical department on **01403 210204**.