

# Installation



a.m.a.



The installation of the Urbanscape system must be performed by an experienced installer. It is strongly recommended that installation is done in spring or autumn time.

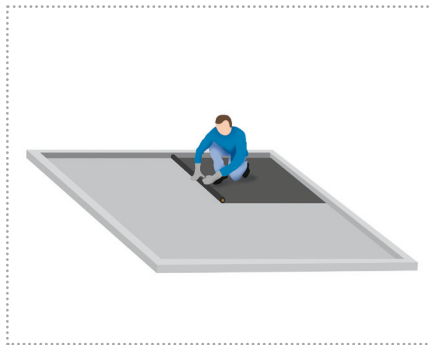
## Before starting:

- Confirm with an engineer that the existing waterproofing is in good condition and the roof construction is strong enough to bear the extra weight of the green roof in wet conditions.
- Check the local green roof regulations paying special attention to local requirements for vegetation-free zones along edges and around drainage outlets and pipes etc.
- It is highly recommended that the roof is installed on the day of arrival of all items. Rolled sedum mats should not be kept longer than 24hrs. For large green roofs, it is recommended to coordinate daily deliveries of sedum mats based on how much is needed each day.
- Make sure that the roof is accessible to deliver the materials on to the roof or next to the roof. If the materials are to be delivered and put on the roof be aware of the weight of the pallets and mark the spots on the roof where the roof construction is strong enough to bear this temporary load.
- Comply with health and safety measures for roof installation.
- Check accessibility of water and electricity.



## Step 1: Prepare Roof

- Clean the roof with a broom. Remove all dirt and sharp objects.
- Check if the waterproofing membrane is not damaged to ensure the water tightness of the roof. If needed, repair any damage with materials compatible with the existing waterproofing.



## Step 2: Install Root Membrane

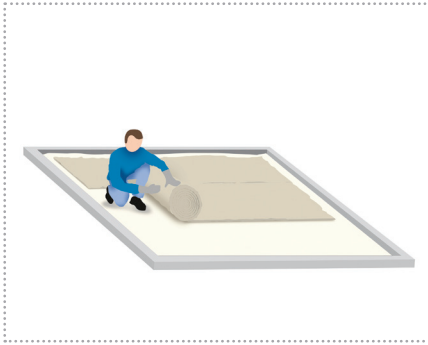
- Always cover the entire green roof area with the Urbanscape Root Membrane.
- The root membrane covers the waterproofing membrane with at least 0.5 meter overlap on all sides starting from the drainage source..
- Place the root membrane around drain baskets by cutting into the root membrane material. Do not cut directly on the waterproof membrane. For safety reasons and protection of the membrane use a hook cutter. Do not use a sharp blade cutter or knife.



## Step 3: Install Drainage System

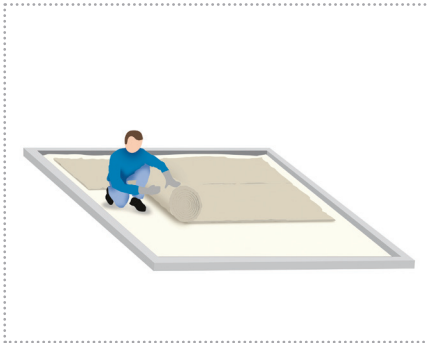
- Roll out the Urbanscape Drainage System over the total roof area and make sure the white geotextile is on the bottom.
- Install the rolls tightly side by side and use the geotextile overlaps to cover the joints.
- Place the drainage layer around drain baskets by cutting into the root membrane material. For safety reasons and protection of the waterproofing membrane use a hook cutter to cut the Urbanscape Drainage System. Do not use a sharp blade cutter or knife

*Above and beyond*



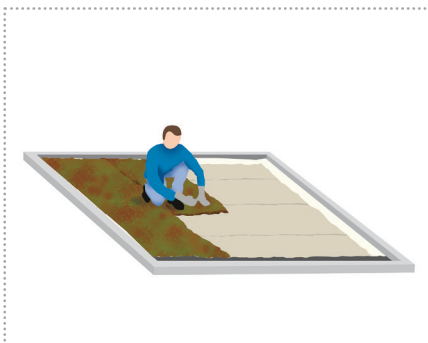
### Step 4: Install Edging (if applicable)

- Install edging in all areas where applicable. These may include the edge of the roof and around vegetation free zones.
- The base of the edging should be placed between the drainage system and green roll.
- The weight of the green roll and sedum mat hold the edging down.



### Step 5: Install Green Roll

- Roll out Urbanscape Green Roll crosswise on top of the drainage panels/rolls.
- Install Urbanscape Green Roll tightly side by side.
- If necessary Urbanscape Green Roll can be cut to the right size (scissors preferable).



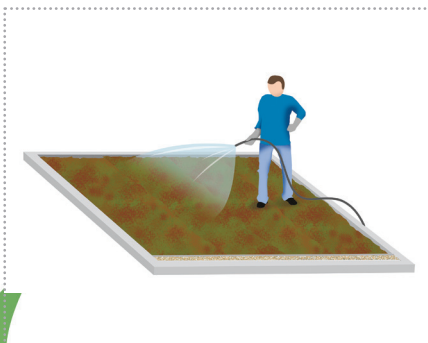
### Step 6: Install Sedum Mats

- Roll out sedum mat crosswise on top of the green roll.



### Step 7: Place stones (if applicable)

- Place rocks or stones of choice on all non-vegetated border zones. This may include areas of high wind pressure such as corners and edges or around drain baskets.



### Step 8: Water

- After the Urbanscape Green Roof system is installed, it must be immediately watered until the vegetation and Urbanscape Green Roll is completely saturated.
- Maximum saturated system holds:
  - 25l/m<sup>2</sup> of water for system with 20mm green roll
  - 37l/m<sup>2</sup> of water for system with 40mm green roll
- Urbanscape green roof must be prevented from drying out until the rooting is successful (root penetration through the Urbanscape Green roll).