

Turfland

Where the grass is always greener!

lawns



PRODUCT CATALOGUE

ENVIROMAT

Enviromat – Sedum Matting

Enviromat is a low maintenance soft landscaping material suitable for laying on the ground or for creating a living roof. The random mix of flowering sedum plants sown into Enviromat are extremely versatile, frost hardy and drought tolerant. The plants are grown on to a patented free-draining geotextile mat with a layer of growing medium that allows just the right amount of moisture retention for the plants—not too wet, not too dry. The mat that the sedum plants are grown on contains everything they need to survive and thrive with no requirement for additional growing mediums. The sedum plants themselves don't require dead-heading, mowing or pruning.

Enviromat will encourage wildlife, attracting garden-friendly insects such as bees, butterflies and ladybirds. Birds appreciate the spent flower heads that provide nutrition and nesting material.

The plants have been selected for their wide range of colour, texture and seasonal differences in their flowers and foliage.



Enviromat on a flat roof.



Breeze house roof.



Lining a hay rick.



Decorative ground cover.



Along the tops of walls.

Enviromat consists of three interactive layers that work together to create a living carpet:

- **The geotextile layer:** A special fabric with a nylon loop knitted into it which supports the other two layers. The geotextile layer allows Enviromat to be rolled up for transportation and installation without the plants and the growing medium falling off.
- **The growing medium:** 20mm (2cm) deep of specially blended growing medium derived mainly from recycled brick and tile. Non organic - so it won't degrade on the roof, relatively light weight when compared to soil and well drained. Just how sedum plants like it.
- **The vegetative layer:** A random mix of low-growing sedum species that are fully hardy in this country. These are low maintenance, drought tolerant plants that can survive the exposed conditions one finds on most roofs. If they're fed every spring, these plants will reward you with flowers for up to nine months of the year and fabulous foliage all year round.

Enviromat is ideal for low maintenance ground cover and is popular with local authorities, theme parks and gardeners because properly installed, it gives spectacular results with very little work - no mowing, no deadheading.



Enviomat – Varieties



Sedum album



Sedum reflexum



Sedum sexangulare



Sedum spurium



Sedum kamschaticum



Sedum pulchellum



Sedum acre



Sedum granulata

The Enviomat is a blend of sedum plants to provide year round colour, the mats will vary in which varieties dominate the mix depending on the time of year they were sown and other influencing factors such as amount of sunlight, climatic variations etc.



Summer sedum—covered in flowers.



Winter sedum—cherry red foliage.



Attracts ladybirds...



...and bees.



Enviromat – Installation Instructions for a Flat Roof

1. Remove all debris from the surface of the roof
2. On an asphalt type roof, put down a layer of thick polyethene or butyl pond liner. This protects the waterproofing from root damage and isn't needed on an EPDM or Fibreglass surfaces. **Hint:** If you wet the polyethene/butyl when it is in place, it will be far less slippery to work on.
3. If your roof has no upstand, put a timber or metal edging all around the roof. **Important:** fixings for the edging must not be screwed into the waterproofing and must allow excess water to drain from the roof.
4. Unroll the drainage mat, unfold the selvages and lay the next strip on top of them ensuring that the edges butt up close to each other. If you have chosen to use a pebble edging, only take the drainage mat as far as the pebbles...it doesn't need to be underneath them.
5. Lay the fleecy water retention matting on top of the drainage mat, preferably at 90 degrees to it. Again, make sure the edges butt up close together and be certain that the fabric is perfectly smooth with no wrinkles or air pockets beneath it.
6. Lay your Enviromat on top of the water retention matting. Each piece of Enviromat has an extra flap of geotextile backing fabric tucked underneath it. When you lay your Enviromat, this selva needs to be unfolded so that it lays flat on the roof beside your sedum matting, the next piece of Enviromat should be laid on top of the flap for anchorage.
7. Start at one end of the roof and work backwards – so that you avoid walking or kneeling on the plants. If you are using a pebble border, put the stones down as you go along.
8. Don't worry if the sedum plants look a bit squashed when they're first installed, they'll soon perk up.
9. Water thoroughly and feed if necessary—**See page 15 for aftercare advice**



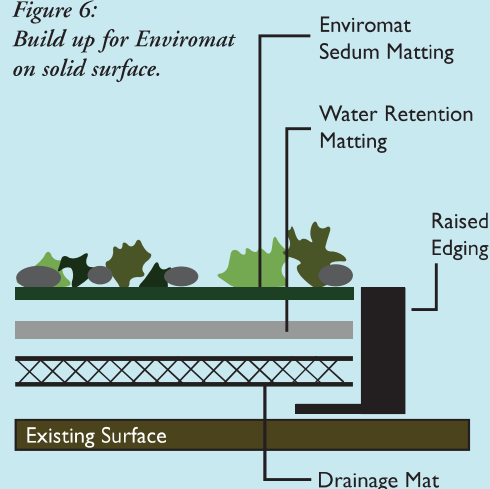
Enviromat – Installation on to a soil-less surface (eg. concrete, asphalt)

For best results, avoid installing Enviromat directly on to soil... our build up is engineered to allow sedum plants to thrive whilst ensuring that weeds struggle to survive.

1. **Remove all debris and big stones, compact the surface so that it's nice and firm and ensure that the levels are even and the area is well drained.** If some areas are prone to "puddling", apply a layer of sand then level and compact it.
2. **Lay a sheet of polyethene or butyl pond liner on top of the soil;** this will stop perennial weeds pushing up from the soil below and it also helps to drought out any weeds that germinate amongst the sedum plants.
3. **Install raised edging.** This needs to be at least 7cm deep. Edging **MUST** allow excess water to drain away
4. **For a flat area, lay drainage mat across the area.** Trim to fit as necessary. This layer is not needed on slopes greater than three degrees. NB. We do not advise installing Enviromat on to slopes greater than 20 degrees.
5. **Install a layer of water retention matting:** at 90 degrees to the drainage mat (if used)
6. **Lay sedum matting:** folded beneath each piece of Enviromat sedum matting is an extra flap of geotextile backing. When you lay your Enviromat, this flap needs to be unfolded and laid flat beside the sedum matting...the next piece of matting will be laid on top of the flap for extra anchorage.
7. **Water:** Water the plants well to help them settle in. If you are installing between 1st March and 30th June, you should also apply Nutrifusion sedum feed at a rate of 30g per square metre.



*Figure 6:
Build up for Enviromat
on solid surface.*



Enviromat on the ground is highly recommended when creating sustainable green areas in places where access for maintenance is difficult, such as central reservations, traffic islands, roundabouts and banking.

Enviromat sedum matting is made up of 3 layers: A carrier fleece with nylon loops for added strength, a 2.5cm layer of growing medium and a vegetative layer consisting of a random mix of low-growing sedum species.

Properly installed, Enviromat sedum matting has good tolerance for road salt and traffic fumes and needs very little maintenance. We recommend an annual application of slow-release fertiliser and a 6 monthly inspection. The method of installation outlined in this catalogue makes it very difficult for all but the most determined weeds to take hold and these will be easily removed by hand during inspections. It also suggests using wire mesh to minimise vandalism.

Enviromat creates a haven for wildlife yet is low growing—does not trap rubbish or debris—and even though it flowers for several months of the year, it needs no mowing, trimming, deadheading, spraying or pruning. An ideal way to keep standards high and costs low.



Enviromat – Installation Service

For customers who would like a sedum roof on a shed, summerhouse, garden office but are not confident about installing it themselves, Q Lawns offer an Enviromat installation service.

The service is available anywhere in the UK, provided that the building is fully waterproofed and suitable for the Enviromat green roof build-up.

Typically our customers are householders, garden designers and landscape professionals who are looking for a knowledgeable and trustworthy service provider to help them complete their project.

Enviromat green roof installers are CRB checked and have completed a full range of training courses to ensure that they are competent in all aspects of working at heights.

To discuss your needs and organise a no-obligation quotation, please contact the Q Lawns office on 01842 828266 or email sales@qlawns.co.uk

Note: Installing a living roof onto a domestic or commercial green roof over 50m² in area requires specialist design knowledge and additional components. Q Lawns are not in the position to advise on this type of roof construction or supply specialist components.

For green roof construction we recommend that you take advice from green roof specialists Bauder Ltd.

Telephone **01473 257671** or visit www.bauder.co.uk



Enviromat – Caring for your Sedum

Enviromat Sedum Matting is incredibly low maintenance. It needs no mowing, no deadheading, no pruning and, properly installed, very little weeding and watering. BUT, to get the best results from your Enviromat, there are a few very simple steps to follow:

IMMEDIATELY AFTER INSTALLATION...

1. Check that all the edges are secure and protected against wind uplift.
2. On a large roof, you may need to replace small areas of growing medium that have been disturbed during installation. Use the material provided.
3. Apply Nutrifusion Spring/Summer Lawn and Sedum feed at 30g/m².
4. Give your Enviromat a thorough soaking with water. Keep watering 2—3 times a week for the first few weeks after installation, especially crucial in dry weather.

IN DRY WEATHER

Sedum plants are very drought tolerant but during long periods of drought it is wise to check for signs of severe stress—especially on sloping roofs. Don't worry if plants look small and hard (like beads) or if the leaves turn red—this is the plants' normal defence against drought. If however the leaves appear wrinkled and rubbery (like a deflated balloon), then the plants will benefit from a really good soaking with water. Always irrigate in the evening to avoid losing water through evaporation.

AUTUMN/WINTER MAINTENANCE

Dead leaves and debris on top of your Enviromat will suffocate the plants and leave bald patches.

- Remove dead leaves in late autumn to help the plants survive the winter.
- On a roof, check drainage outlets are clear and matting is secure.
- Don't worry if the leaves turn red in winter this is perfectly normal.

SPRING MAINTENANCE

Make sure your sedum plants are all set for a summer of flowering by ensuring they have all the light and food they need for the growing season.

- Clear any debris from the surface of Enviromat and weed out any rogue tree seedlings.
- Make sure your Enviromat is securely in place so that geotextile layer has contact with the surface below at all times.
- On a roof, ensure all drainage outlets are clear.
- Apply Nutrifusion Spring and Summer Lawn and Sedum Feed at the rate of 30g Nutrifusion per square metre of Enviromat.



Nutrifusion feed.



Foliage can turn cherry red in winter.



Feed in spring to encourage flowering.



Enviromat – Associated Products



PLANTEX WEED CONTROL FABRIC

Acts as a weed barrier when laying Enviromat on the ground.



WATER RETENTION MAT

For use on flat and sloping roofs to retain moisture.



POLYTHENE

Place on roof before laying Enviromat.



FRESH SEDUM CUTTINGS

For repairing bare patches simply and quickly. Please note that availability is seasonal.



DRAINAGE MAT

For use when laying Enviromat on a flat roof.



NUTRIFUSION FEED

Apply to Enviromat to keep it healthy and in good condition.



Customer Charter

"In pursuit of excellence"... With a combined 70 years' experience we are knowledgeable and passionate about growing high quality turf, Enviromat sedum mats and MeadowMat wild flower turf. We have adopted the latest technological advances to grow the very best crops possible on our 2000 acres of grade 1 land. Our pleasure is your satisfaction with the product and service you receive.

Although it is impossible to 100% guaranteed that problems will never be encountered, we hope to demonstrate that we have the ability and the commitment to work with you to ensure you are provided with the very best quality and service that is within our ability to provide.

With this in mind TurfLand and Q Lawns have come together and have adopted this voluntary Customer Charter to do our utmost to deliver on our promise.

You can rest assured that we have the necessary skills and experience to grow and nurture Turf, Enviromat sedum matting and MeadowMat wild flower turf to meet your requirements. We adopt the Turf Grass Growers Association standards for our turf. Due to their uniqueness there are no national qualities standards for Enviromat Sedum Matting or MeadowMat wild flower turf so we have developed our own, strict standards of quality control to ensure you receive the best quality products that it is possible for us to produce.

We endeavor to continuously seek improvement in all aspects of our business. Our voluntary Charter requires **us** to aspire to the following:

- Grow our crops using the very best seed varieties available adopting the latest technological advances.
- Ensure a cheerful, courteous and efficient response from our trained and knowledgeable staff to all customer enquiries.
- Setting real and achievable targets for service delivery which will meet the changing expectations of our customers.
- Communicate information to customers and colleagues and not to make promises that can't be kept.
- Do our best to ensure our customers have no reason to complain but ensure customers get '5 star' treatment should they feel the need to do so. All complaints will be dealt with promptly, fairly and impartially.
- We will regularly survey our customers on the quality of the services we provide.
- Commit to the ongoing training and development of our staff.

In return, we ask that **you**, the customer;

- At the time of ordering, let us know if there are likely to be any difficulties accessing the delivery site with an articulated lorry.
- Providing a name and telephone number for an onsite contact and ensuring that somebody will be on site to receive delivery.
- Inspect your goods on delivery and sign our delivery note to indicate satisfaction.
- Be sure to install or unroll all of your fresh turf, Enviromat or MeadowMat within 8 hours of delivery.
- Report any problems to us within 24 hours of delivery, stating the delivery note reference number and including photographs if possible.
- Be sure to water newly installed Turf, Enviromat or MeadowMat immediately after installation and follow our recommendations for your products long-term aftercare.
- Ensure pallets are returned or paid for.
- Ensure payments are made within the deadlines agreed in the terms of your account.

ENVIRONMENTAL POLICY

We seek to continually improve our environmental performance and reduce any adverse impacts on the environment whilst complying fully with all statutory regulations. We will minimize any disturbance to the local environment and to the quality of life of the local communities within which the company operates.





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