

ECOSSEDUM® **PACK**

The easy way of green roofing



The pre-cultivated
complete system

By using the pre-cultivated and ready-to-lay ECOSEDUM® **PACK** trays you easily change most of the common roof type into sustainable, water-retentive green areas. Benefit from the extended rooftop life expectation, better indoor climate and possibilities for grants.

Concept

Work preparation

Clean roofage with broom, size the area and prepare layout drawing with grid dimension 60 x 40 cm | 15.75 x 23.62 inches.

Root protection

If needed, install root protection and let it protrude at the roof edges. Cut out the drains!

Critical subfloor?

If needed, separation liners can be placed to protect the roof membrane. We recommend this in case of older bitumen sheet roofing and critical subfloors. Please assure that the used material is compatible with the trays (PE/PP).

The modular complete system is perfect for:

- Flat roofs
- Pitched roofs
- Projecting roofs and canopies
- Garages and carports

Laying / Organisation

The trays should be taken off the pallet and laid onto the roof as quick as possible in order to avoid storage damage to the plants. Please make sure, that you place the trays without any gaps inbetween.

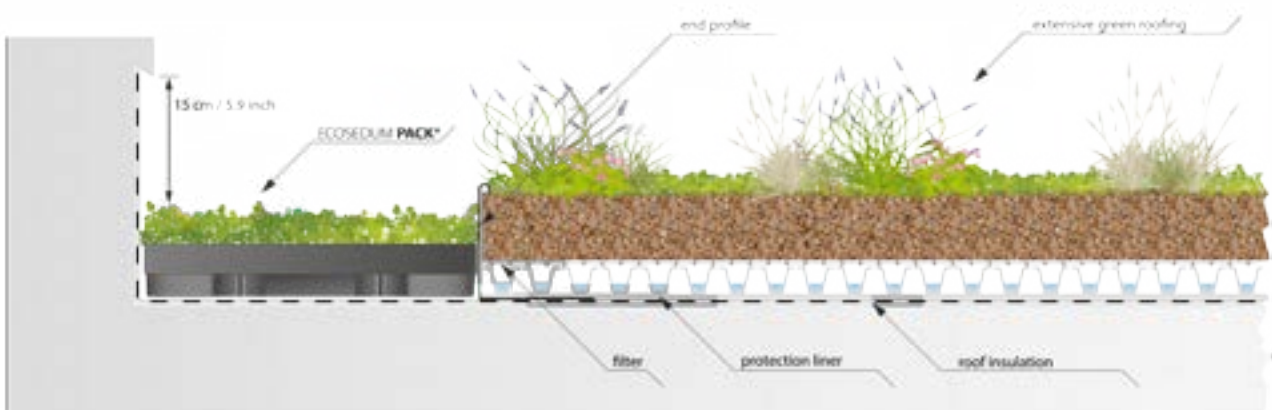
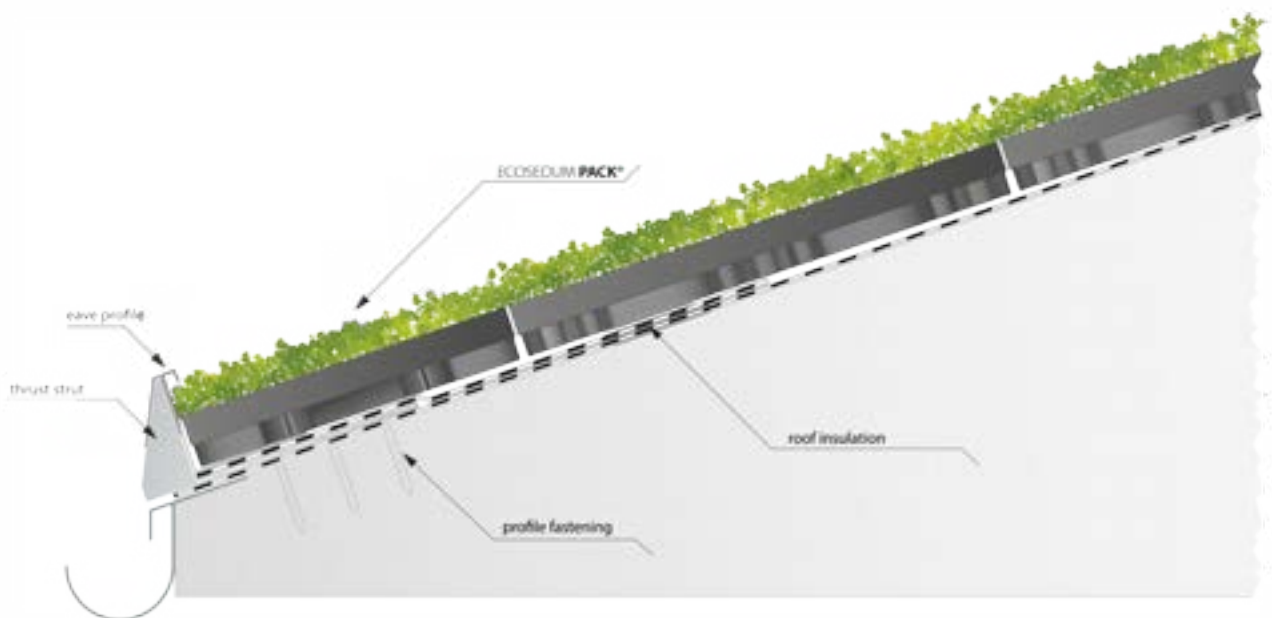
Please do not cut the ECOSEDUM® **PACK** trays along the edge of the green roof area. Spaces can be covered or bridged with gravel.

Roof pitches up to 20% and 10 meters length can be installed without slip off protection.

Within the first three or four weeks please water the greened area regularly and keep it humid. In longer hot temperature periods the area should be watered if required.



Roof shapes and laying methods



Specifications

Pre-cultivated:	> 80 % (4 - 6 sorts of sedum)
Material:	PE/PP, 100 % recycled
Colour:	Black / dark grey
Dimensions:	400 x 600 mm 15.75 x 23.62 inches
Height:	75 mm 2.95 inches
Water reservoir:	8 l/m ² 2.11 U.S. Gal.
Weight (max. water level):	95 kg/m ² 209.44 lbs/10,76 ft ²
Weight (max. water level):	22,8 kg/Stck. 50.27 lbs./10.76 ft ²
Water retention capacity:	32 l/m ² 8.45 U.S. Gal./10.76 ft ²
Max. roof pitch:	35% / 19°
Discharge coefficient:	0,5



Care tips

As every gravel covered roof needs to be serviced once or twice a year it is about the same with green roofing. We recommend to check the greened roofage in spring and autumn. During this check you simply remove unwanted vegetation and check the drains.

The ECOSEDUM® **PACK** green roof system is a near-natural vegetation form, that preserves and refines itself automatically. We use hardy, winterproof and adaptable plants (sedum sprouts) to ensure that the system even can stand extreme local conditions.

These plants are delivered within our green roof trays and are up to 80% pre-cultivated. Additionally watering is only recommended in high temperature areas/ periods.

Packaging and shipping

Depending on the quantity we are shipping palletized (approx. 15 m² | 161.45 ft² p. pallet resp. approx. 300 m² | 3,229.17 ft²) per truck with forwarder.

Installation example: Hospital Marktredwitz



Project:	Hospital Marktredwitz, Bavaria
Scope:	approx. 400m ² 4,305 ft ² roofage
Scheduled:	4 workers, 4 days
Needed:	4 workers, 1 day. No heavy construction machines needed!
Savings:	3 days + heavy machines

Benefits of modern green roofing:

- Optimized water retention and water reservoir
- More green areas mean less fine particles and less carbon dioxide
- Extended rooftop life span thanks to the UV-protection
- Noise and heat insulation
- Less rainfall charges, less heating costs
- Microclimate improvement
- Governmental possibilities for grants and credits

Your ECOSEDUM® **PACK** benefits:

- » Quick and easy laying
- » Immediate green areas
- » Immediate acceptance of construction work possible
- » Easy lifting and relaying
- » Integrated rainwater retention
- » Easy-care, Pflegeleicht, forest cover within the system not possible

Please also note the following guidelines and standards:

- Forschungsgesellschaft Landschaftsentwicklung Landschaftsbau e.V. (FLL): Richtlinie zur Planung, Ausführung und Pflege von Dachbegrünungen (Dachbegrünungsrichtlinie).
- Forschungsgesellschaft Landschaftsentwicklung Landschaftsbau e.V. (FLL), Fachvereinigung Bauwerksbegrünung e.V. (FBB): Hinweise zur Pflege und Wartung begrünter Dächer.



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in conjunction with::

