

2020

Product Guide



GrufeKit

Welcome

For eleven years we've supplied green roof systems. Having fine-tuned our offering and taken a specialist approach, we are the market leader in modular green roof systems.

Over the years we have accumulated a host of experience and knowledge. We've used this to put together a kit-form green roof that any roofer or contractor can install with minimal training.

We believe in providing products that last and with that in mind we pre-grow all of our sedum roofs for 12 months before they leave our nursery. This is unique in the industry and ensures that our green roofs continue to outlast and outperform other systems.

We hope to inspire you to enhance structures naturally.



Scott Anderson
Director





Aesthetics

Rather than having a view of grey waterproofing, installing a living green roof will bring the garden closer.



Air Quality

Lack of plants in urban areas leads to a concentration in polluted air.



Biodiversity

With the prevalence of concrete, steel and glass in cities, nature is confined to small pockets of green space.



Structural Protection

Waterproofing membrane breaks down from UV rays, acidic rain, and freeze thaw weathering, green roofs solve these issues.



Sound Insulation

The layer of soil and plants can reflect and absorb up to 30% of noise pollution.



Temperature Regulation

Green roofs and living walls are a great way of using nature to regulate a building's temperature.



Easy Self-install

Any roofer or DIY self-builder can add a green roof to their project without the need for a costly installation team.



Maintenance

Specific modules can be lifted up and the roof repaired, then the modules can be replaced without any damage to the plants.



Rainwater Retention

Green roofs are a type of natural flood management. A green roof can retain around 75% of the runoff in summer.



Building Ratings

When seeking to improve a building's ratings with BREEAM or the code for sustainable homes, choosing a green roof or a brown biodiverse roof is a good option.



Merchant Network

Working exclusively through a merchant network, ANS GrufeKit is now available to roofers across the country through well-known merchants.



Fast Delivery

Our green roof kit can be on site in 2-3 days for any order, but we can often achieve a next day service.



Large Stockholding

We now have large stocks of fully established green roof ready for use on roofs everywhere.

Green roofs made easy.

Everything you need to lay a beautiful green roof, in an easy to use kit.



Protection fleece placed over your roof membrane

1



GrufeTile's are clipped together on the protection fleece

2

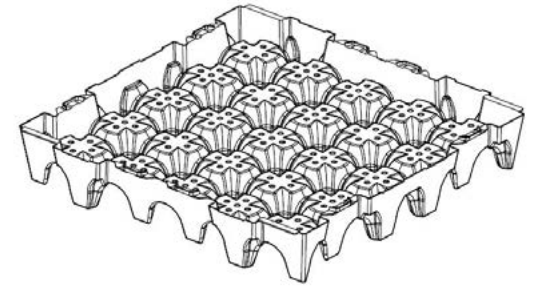
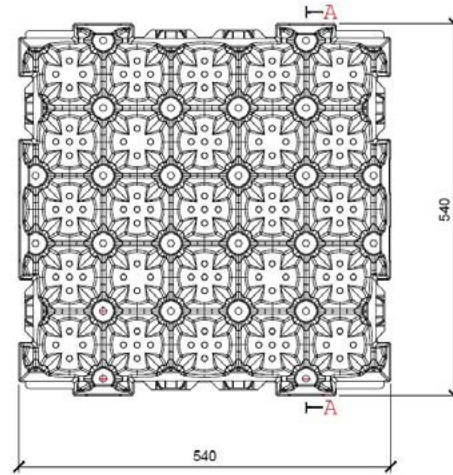


Finished green roof with instant impact

3

Key Facts

- Compressive strength 2.000 Kg/m²
- Water holding capacity of 20 litres/ m²
- UV resistant
- Temperature range -50°C - 80°C
- Carrier material 100% Regenerated
- Polypropylene (PP)
- Carrier measures 540 x 540 x 90mm
- Drainage Surface 318 cm²/m²
- Outflow Volume 40 l/m²
- 1 year guarantee



What's in the kit?

GrufeTiles are extremely easy to install, simply clip them together, they also protect the waterproofing for a longer lasting roof.

Sedum GrufeTile

- No mowing, no watering and no re-planting
- Sedum is a perennial (evergreen) plant
- Fully established plants for instant impact
- Most common choice



Sedum & Wildflower GrufeTile

- The ultimate bio-diverse roof, sedum is a perennial (evergreen) plant, with additional bursts of colour from the wildflower in Spring and Summer.
- Higher maintenance than Sedum



Brown Wildflower GrufeTile

- Wildflowers bloom in Spring/Summer, will die back to bare soil in Autumn/Winter.
- High biodiversity and allows windblown local seeds to grow
- Optional maintenance



Every kit includes enough protection fleece and delivery is included in the price



Protection Fleece

Optional Extra's

Give your green roof the perfect finish.

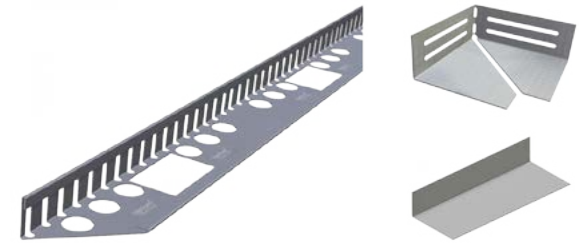
Scottish Pebbles

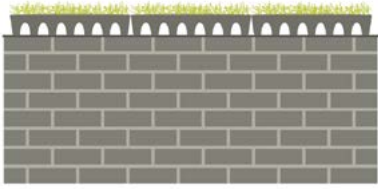
Use our quality Scottish pebbles for footpaths on the roof or to add a feature edging.



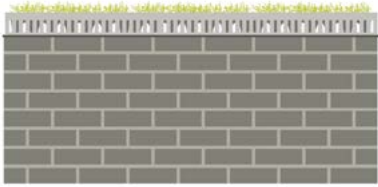
GrufeGuard

This optional aluminium guard protects the modules at the roof edge or around features.

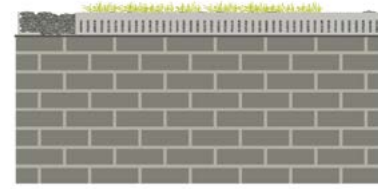




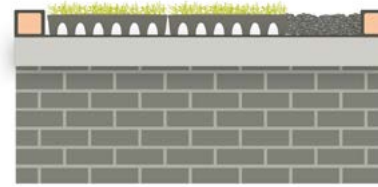
The GrufeKit can be laid directly on top of the waterproofing surface with the protection fleece, while this can save costs the side of the module is not desirable for some clients.



Adding an aluminium GrufeGuard can make the finished roof look more professional.



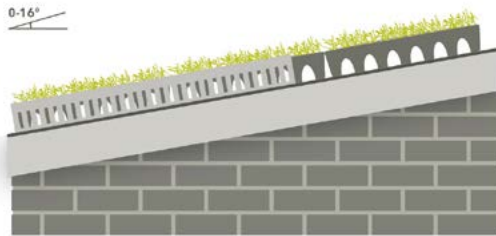
A stone border can also provide a pleasing visual effect. In some cases this is required on commercial buildings as a fire-break by planning authorities.



A standard parapet or upstand is a good way to finish the roof and the GrufeKit can either run to the upstand or have a stone margin.

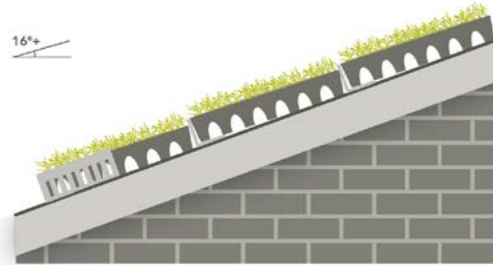
Option 1

Sloped roofs with a gradient of 16 degrees or less can be treated as a standard flat roof. The GrufeKit can be installed with or without GrufeGuard and the weight of the modules will hold them in place.



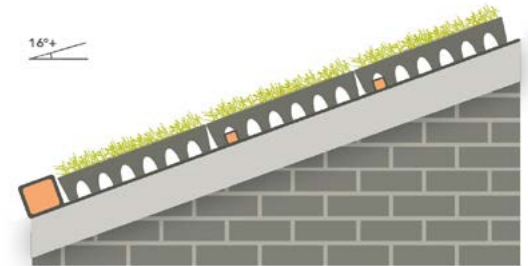
Option 2

For roofs with a pitch of more than 16 degrees, GrufeGuard can be installed fixed to the waterproof membrane using IFP's across the roof in front of the modules to act as a restraint preventing slipping. This is dependent on the roofs pitch and the contractor's discretion.



Option 3

For roofs with a pitch of more than 16 degrees, 4" x 2" restraining timber botons can be installed prior to waterproofing across the roof. These will need a break for water drainage every 1.5 meters. This is dependent on the roofs pitch and the contractor's discretion.



No immediate after-care is required at the time of installation. Each GrufeTile comes to site fully established with pre-grown vegetation eliminating the need of any irrigation. Here's how to ensure your green roof stays in good condition:

- Hand weed and remove unwanted seedlings
- Clear gutters or drainage outlets of vegetation
- Feed the roof with organic phosphate and potassium
- Ensure stone perimeters are clear of dead and live plants
- Clear any leaves that have fallen from deciduous trees
- Maintenance should be carried out in early Autumn.
- Where breeding birds are expected, this should be undertaken once the nesting season has ended.
- Sedum will go red when stressed through dry or cold weather and sometimes when it is low on organic nutrients. This does not mean the roof is dead. You can either wait for rain or irrigate the roof once a week for approximately 1 hour.



Where to buy

Installing a green roof does not have to be complicated or expensive. We like to keep things simple, you can purchase your GrufeKit at your local merchant near you or order it on-line, either way, it will be delivered direct to where you need it.



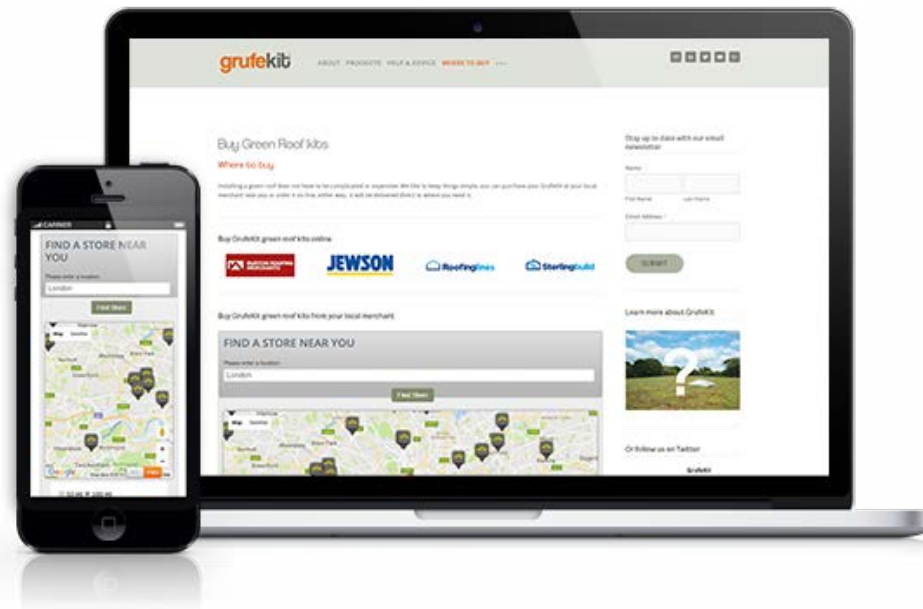
Free next day delivery



Free online training



Available at a local merchant



Our Story

Eco-architectural solutions.

More than half of the world's population lives in cities and the number keeps increasing. As cities become more crowded, every inch of space is precious. So we've found ways to make the best use of wasted spaces.

ANS LivingWalls can clad walls both inside and out, while ANS GrufeKit turns wasted flat roofs into an ecosystem. Inside buildings we can also use ANS LivingCanvas and ANS MossArt to bring humans closer to nature.

As the name 'ANS Global' suggests we work on projects around the globe. From Dubai to Christchurch and from London to Cape Town we can assist with your project.

We hope you are inspired to enhance structures naturally.



Some clients that we have worked with:





ans GrufeKit

