

**Greened garages
and carports
For DIY enthusiasts!**



1. Optigreen PE root resistant sheet

(if required)

- a) The roof area must be swept clean; take particular care to remove any sharp objects.
- b) Spread out the Optigreen root resistant sheet over the entire roof and allow the surplus to hang evenly over each edge of the roof.
- c) If more than one sheet is required make sure the sheets overlap by 1.5 m.
- d) If the Optigreen root resistant sheet is larger than the roof surface, cut off the excess around the edges so that they rest against the upstand and can be tucked under the upstand flashing where possible.
- e) Unobstructed roof outlet/emergency overflow: when you have laid the Optigreen root resistant sheet on the roof, cut an opening the same size as the outlet over the roof outlet point.



2. Optigreen protective fleece RMS 300

- a) Lay the Optigreen protective fleece starting from one side of the roof, overlapping each swath by 10 cm.
- b) It should overlap the roof by approx. 100 mm.
- c) Cut the overlap to the same size as the Optigreen root resistant sheet and secure to the upstand in the same manner.
- d) When you have laid the Optigreen protective fleece on the roof, cut an opening the same size as the outlet over the roof outlet point.



3. Optigreen drainage system type FKD 25

- a) Lay the Optigreen drainage panels one by one with a few millimeters overlap starting on one side of the roof. The upper side of the panel is indicated by the drainage slits and the print mark.
- b) Unobstructed roof outlet/emergency overflow: when you have installed the Optigreen drainage system on the roof, cut an opening the same size as the outlet over the roof outlet point.



4. Optigreen filter fleece Type 105

- a) Spread out the Optigreen filter fleece on the Optigreen drainage panels and pull taut. Multiple fleeces should overlap by approx. 100 mm.
- b) Unobstructed roof outlet/emergency overflow: when you have laid the Optigreen filter fleece on the roof, cut an opening the same size as the outlet over the roof outlet point.

Please note:

Structural conditions:

- a) The roof construction (roof pitch 0-5°) must be able to bear an additional load of approx. 100 kg/m².
- b) The roof must be waterproof. The Optigreen PE root resistant sheet is not for waterproofing roofs; it is only for protection against roots.
- c) The installation of root resistant waterproofing by a roofer (in accordance with FLL guidelines) is imperative if the room beneath the roof is used as living space or for storing valuable objects.

Important notes for your safety:

- a) Please remember: Refer to current health and safety legislation when work at heights above 1 metre. Current guidelines can be sourced from your local authority.
- b) Remove any obstacles you could trip over.
- c) Firmly secure access aids (e. g. ladders).
- d) Take special care when working with waterproofing and root resistant materials. Avoiding damage is imperative.





5. Optigreen control shaft

Place the Optigreen control shaft over the roof outlet opening. The cover can be removed for maintenance purposes by loosening the two screws.

Gravel strip:

- a) Gravel strips free of plants should be laid around the control shaft and along the roof edges using 16-22 or 16-32 mm gravel.
- b) Strip width: 300-500 mm.



6. Optigreen extensive substrate type E

- a) Distribute the sacks of substrate evenly over the roof. Cut open the sacks, tip out the substrate and spread roughly.
- b) Spreading Optigreen substrate type E: rake the Optigreen substrate evenly over the roof surface to create a level surface.
- c) Layer height: approximately 60-80 mm.
- d) If there is more substrate than required it can be used to form rises or generally

increase the layer height. Do not exceed the maximum roof load. Every 10 mm of Optigreen extensive substrate weighs approx. 13 kg/m².

- e) Trimming the Optigreen filter fleece: once you have laid the gravel strips and the Optigreen extensive substrate, trim the Optigreen filter fleece around the roof edges to just above the top of the gravel or substrate layer.



7. Optigreen seed type E and Sedum shoots

- a) Sow the Sedum shoots evenly.
- b) Mix the Optigreen seed mixture thoroughly with sand in a bucket.
- c) Spread the „seed/sand mix“ evenly over the roof surface.



8. Watering and completion care

- a) Sedum shoots and seed mix must be watered immediately after sowing.
- b) Water the roof until the entire build-up is moist and water runs down the outlet.
- c) The substrate must be kept permanently moist during the germinating and rooting phase (approx. 3 weeks).
- d) Watering is then only required during long dry spells.

Presented by:

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