

atka



GREEN BELONGS ON THE ROOF!



TOPGREEN
Green roof systems
by atka



BENEFITS OF THE TOPGREEN GREEN ROOF SYSTEMS

- Extended life of the roof sealing
- Rainwater retention and minimisation of rainfall run-off peaks
- Long service life (30-50 years)
- Improvement of heat insulation and energy saving with cooling systems
- Noise reduction by absorption of airborne noise instead of reflection
- Binding of dust and harmful materials by filtration of harmful materials from rainfall (reduction of lead 99 %, and of cadmium 96 %)
- Protection against electro-smog
- TOPGREEN green roofs are class A fire rated roof covering and protect against flying sparks and radiant heat
- Subsidisation with grants when installing green roofs by many municipal authorities
- Acceptance of green roofs as non-sealed surfaces, with consequent partial or complete exemption from the rainwater charge
- Saving of compensation payments for building on undeveloped land (green roofs are accepted as compensation measures under the BNSchG (German Nature Protection Act))
- Improvement of the working and living environment for people, particularly in case of accessible or visible green roofs
- Cost savings for flat roofs by dispensing with regular renovation and maintenance





Official logo of the
„2009 Green Roof of the Year“
awarded by the FBB

The TOPGREEN green roof system from GREENHOUSE

THE PROFESSIONAL WAY TO TURN YOUR ROOF GREEN

In a time of major climatic changes it is becoming increasingly important to build in an environmentally friendly way which preserves resources. The TOPGREEN green roof system from atka makes an important contribution to this objective. Professional roof planting restores to nature vital green areas which have been lost because of building. Harmful materials are bound and filtered, rainwater retained and heavy downpours flow away evenly. Green roofs also stand out for their excellent heat insulation in comparison to a conventional tiled roof. They also absorb annoying airborne noise and protect your home against potentially harmful weather effects such as ice and hail.

The TOPGREEN green roof system can be installed on both flat roofs and pitched roofs with an inclination of up to 45°, setting no limit on creativity, either for the renovation of existing roofs or the construction of new houses with an environmentally friendly green roof.

Under a green roof, this creates a calm and relaxing atmosphere, which has a soothing effect on your personal well-being.

TOPGREEN green roof system – the professional way to turn your roof green.



▼ Member of the association

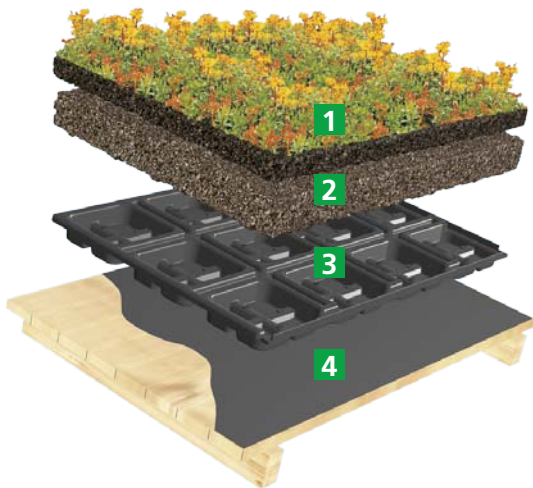


TOPGREEN GREEN ROOF SHELL GDS15

TOPGREEN GREEN ROOF SHELL GDS15

- ! ·Uncomplicated laying in a short time
- Outstanding value for money
- Accessible – specially also for roof gardens

For flat roofs up to 15°



With the innovative TOPGREEN green roof shell GDS15, high load bearing flat roof plantation can be installed in a short time. In contrast to conventional flat roof plantation, the greenery is not planted directly on a thin and therefore vulnerable roof skin, but laid in strong plant shells, enabling the creation of roof gardens with footpath plates for paths and seating areas, and slight roof inclinations of up to 15°.

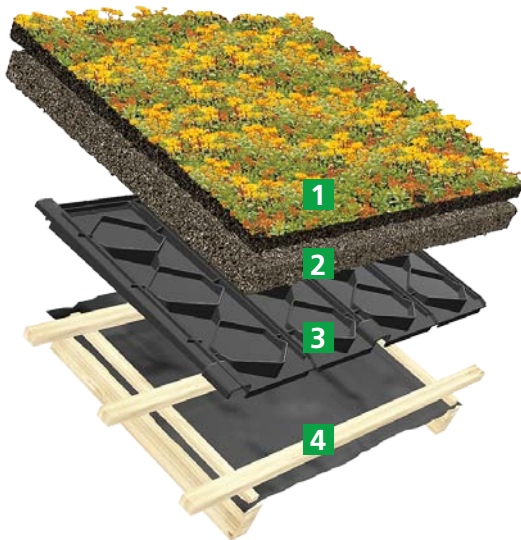
- 1 Greenery mats
- 2 Substrate layer
- 3 TOPGREEN green roof shell GDS15
- 4 Root-proof roof skin



TOPGREEN GREEN ROOF PANTILE GDP30

TOPGREEN GREEN ROOF PANTILE GDP30

- ! ·Specially for slightly inclined roofs
- Outstanding value for money
- Suitable for modern industrial and office buildings



- 1 Greenery mats
- 2 Substrate layer
- 3 TOPGREEN Green roof pantile GDP30
- 4 4/6 slatting

For pitched roofs from 16° - 30°



The TOPGREEN Green roof pantile GDP30 can be used for the easy and quick plantation of roofs with a pitch of up to 30°.

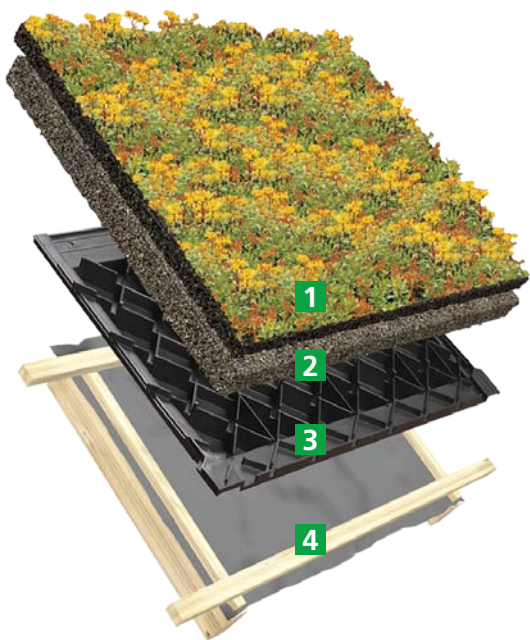
TOPGREEN Green roof pantile GDP30 is the ideal partner for all monopitch, pent and shed roofs, and is therefore ideally suitable for modern industrial and office buildings.



TOPGREEN GREEN ROOF PANTILE GDP45

TOPGREEN GREEN ROOF PANTILE GDS45

- ! Specially for pitched roofs
- Environmental alternative to the conventional tiled roof
- Outstanding value for money



For pitched roofs from 31°- 45°



The TOPGREEN Green roof pantile GDP45 now enables the environmental plantation of pitched roofs with an inclination angle of up to 45°.

TOPGREEN Green roof pantile GDP45 is therefore the ideal partner for all gabled, hip and pavilion roofs for private housing construction, and can also be easily installed onto existing roof constructions during renovation.

- 1 Greenery mats
- 2 Substrate layer
- 3 TOPGREEN Green roof pantile GDP45
- 4 4/6 slatting



Plant types for extensive plantation

Greenery types

Choose between extensive and intensive plantation, depending on the usability, construction, the type of vegetation and the level of care required.

Extensive plantation consists of plants with a low growth height such as mosses, sedum, herbs and grasses. Plant species which can withstand both frost and dryness and temporary waterlogging should be preferred.

Intensive plantations are flat roof systems which require regular care. The preferred types of plantation include shrubs, bushes, trees and lawn surfaces. The requirements of the plants on the ground result in greater substrate thicknesses and load assumptions

for plantation.

A beautiful, persistent and lively green roof needs skilled service from planning to building and maintenance and care. TOPGREEN green roofs – investment in future and quality of life.

Care and maintenance of green roofs

We recommend maintenance service three times per year (spring / summer / autumn):

- Removal of foreign growth
- Apply long-term fertiliser once annually (20 g/m²)
- Remove dead leaves
- Clean inspection shafts, roof outlets etc.
- Our qualified skilled worker will advise you in any case



Allium schoenoprasum
Chives · Height 20 cm
Blossom May - June



Dianthus deltoides
Maiden pink · Height 15 cm
Blossom May - June



Festuca glauca
Blue fescue · Height 20 cm
Blossom May - July



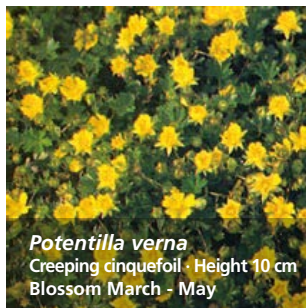
Geranium x magnificentum
Storksbill · Height 20 cm
Blossom June - July



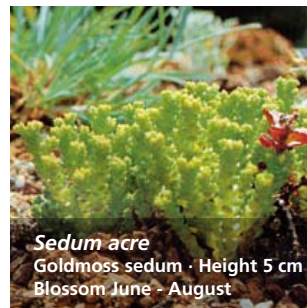
Origanum vulgare
Wild marjoram · Height 30 cm
Blossom July - October



Horrorhagia saxifraga
Saxifrage · Height 20 cm
Blossom June - August



Potentilla verna
Creeping cinquefoil · Height 10 cm
Blossom March - May



Sedum acre
Goldmoss sedum · Height 5 cm
Blossom June - August



Sedum album »Coral Carpet«
Red moss sedum · Height 5 cm
Blossom June - August



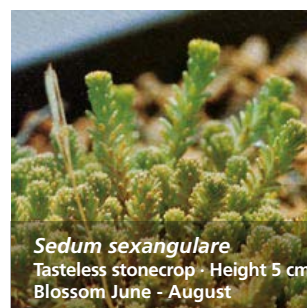
Sedum hybridum
Stonecrop · Height 10 cm
Blossom June - August



Sedum spurium »Album Superbum«
Caucasian stonecrop · Height 10 cm
Blossom July - August



Sedum spurium
»Fuldaglut« · Height 10 cm
Blossom July - August



Sedum sexangulare
Tasteless stonecrop · Height 5 cm
Blossom June - August



Sedum telephium »Herbstfreude«
Purple emperor · Height 40 cm
Blossom September - October



Thymus serpyllum
Wild thyme · Height 5 cm
Blossom July - September



THE PROFESSIONAL WAY TO TURN YOUR ROOF GREEN



atka

atka Kunststoffverarbeitung GmbH

Südring 25 · 49393 Lohne

Phone +49 (0) 44 42 / 92 68 - 0

Fax +49 (0) 44 42 / 92 68 - 11

E-Mail: info@atka.de

Internet: www.atka.de

www.topgreen.atka.de