# REFERENCES

## GREEN ROOF SYSTEMS

GREENFOND
FOR OUR FUTURE



# GREENFOND SDE

## extensive green roof system



An **extensive green roof** is a type of green roofing system characterized by low-growing vegetation and a shallow substrate layer. It does not require permanent irrigation or intensive maintenance—only occasional weeding and watering during prolonged dry periods.

Layer structure:
**Vegetation layer** – mats or seedlings of succulents and mosses,
**Substrate layer** – volcanic-based growing medium (5–20 cm),
**Filter layer** – geotextile that prevents clogging of the drainage layer,
**Drainage layer** – removes excess water while retaining moisture for plant roots,
**Protection and waterproofing layer** – protects the roof structure from mechanical damage and root penetration.

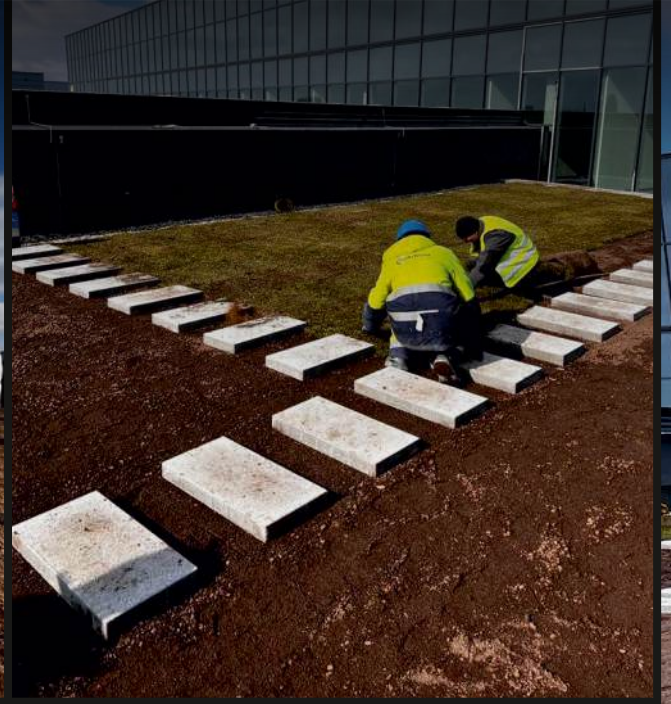
Unlike intensive green roofs, extensive roofs are not designed for recreational use or as active spaces.


OPOLE, PUBLIC SERVICE CENTER
ROOF AREA: 1 800 m²
SYSTEM:
GREENFOND SDE



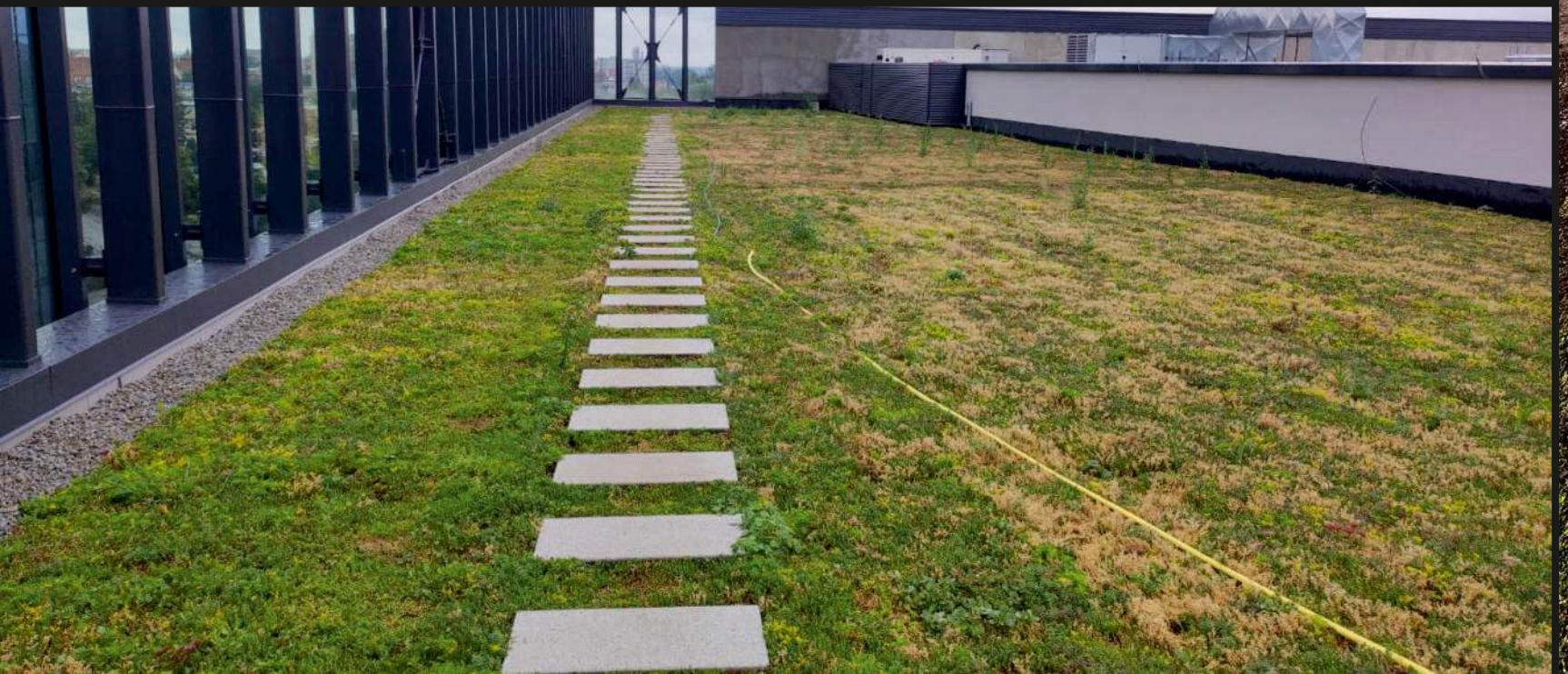
**OPOLE,** PUBLIC SERVICE CENTER





GREENFOND








**STRZELCE OPOLSKIE,** SHOPPING CENTERS

**ROOF AREA: 2 300 m²**

**SYSTEM:**
**GREENFOND SDE**

**STRZELCE OPOLSKIE,** SHOPPING CENTERS

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**PIASECZNO,** EDUCATIONAL AND MEDIA CENTER
**ROOF AREA: 300 m²**
**SYSTEM:**
**GREENFOND SDE**



**PIASECZNO,** EDUCATIONAL AND MEDIA CENTER



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WARSZAWA, KUFLEWSKA ST.
ROOF AREA: 800 m²
SYSTEM:
GREENFOND SDE


WARSZAWA, KUFLEWSKA ST.




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**SZCZECIN,** CELNA ST.

**ROOF AREA: 3 200 m²**

**SYSTEM:**
**GREENFOND SDE**


SLOVAKIA
ROOF AREA: 350 m²
SYSTEM:
GREENFOND SDE
PRODUKTY: GREENFOND MODUL TRAY PL

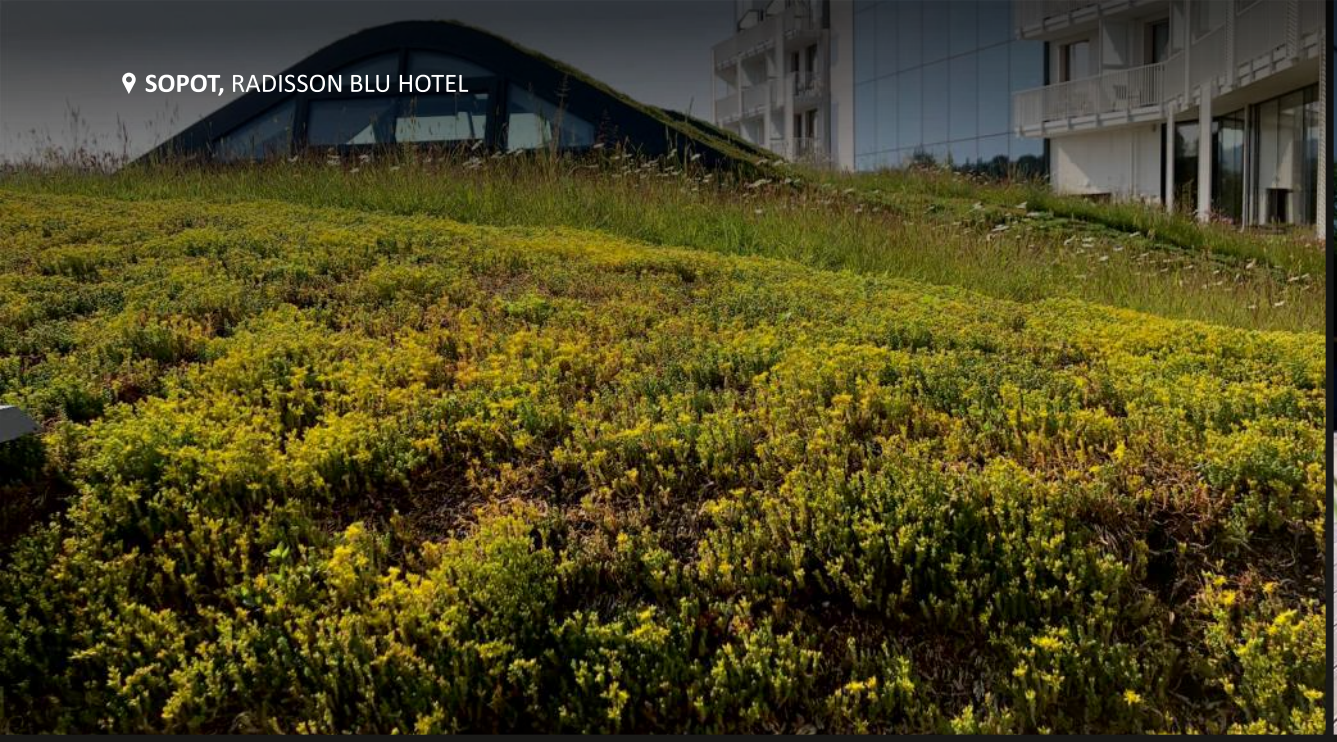


**SOPOT,** RADISSON BLU HOTEL

**ROOF AREA: 3 000 m²**

**SYSTEM:**
**GREENFOND SDE**

**PRODUKTY: TUNDRA + WILDFLOWER MATT**



**SOPOT,** RADISSON BLU HOTEL



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**SIANOŻĘTY,** LOTNICZA ST.
**ROOF AREA: 500 m²**
**SYSTEM:**
**GREENFOND SDE**


OPOLE, SOLIDARNOŚCI ST.
ROOF AREA: 1 300 m²
SYSTEM:
GREENFOND SDE



**CZECH REPUBLIC, PLZEŇ,** TRAM TRACKS

**ROOF AREA: 850 m²**

**SYSTEM:**
**GREENFOND GREEN TRAM TRACKS**


CZECH REPUBLIC, PLZEŇ, TRAM TRACKS
GREENFOND



**CZECH REPUBLIC, OSTRAVA,** TRAM TRACKS

**ROOF AREA: 7 000 m²**

**SYSTEM:**
**GREENFOND GREEN TRAM TRACKS**


CZECH REPUBLIC, OSTRAVA, TRAM TRACKS




GREENFOND







**SLOVAKIA, BRATISLAVA,** TRAM TRACKS

**ROOF AREA: 12 000 m²**

**SYSTEM:**
**GREENFOND GREEN TRAM TRACKS**



**SLOVAKIA, BRATISLAVA,** TRAM TRACKS





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**TORUŃ,** TRAM TRACKS

**ROOF AREA: 16 000 m²**

**SYSTEM:**
**GREENFOND GREEN TRAM TRACKS**




**TORUŃ,** TRAM TRACKS







GREENFOND

# GREENFOND SPE

## extensive green roof system for pitched roofs

1. SPE DUO



2. SPE REC



An effective solution for extensive green roofs on sloped surfaces up to **35°**.
A system that includes both a stabilizing structure and anti-slip protection to prevent layer displacement.

It is available in two variants:

- **SPE DUO** - A system with an additional drainage layer in the form of a 20 mm-high dimpled sheet, providing enhanced water retention and structural stability.
- **SPE REC** - A version in which the drainage function is fulfilled by a base and retention fleece.

The selection of specific system components depends on the structural capabilities of the building.

Due to the specific conditions on pitched roofs - such as increased sun exposure and faster rainwater runoff compared to flat roofs—it is recommended to consider irrigation support, at least during critical periods, to prevent vegetation gaps and potential erosion.



**CHYBY**, COMMUNITY CENTER

**ROOF AREA: 300 m²**

**SYSTEM:**
**GREENFOND SPE DUO**

**CHYBY**, COMMUNITY CENTER

GREENFOND







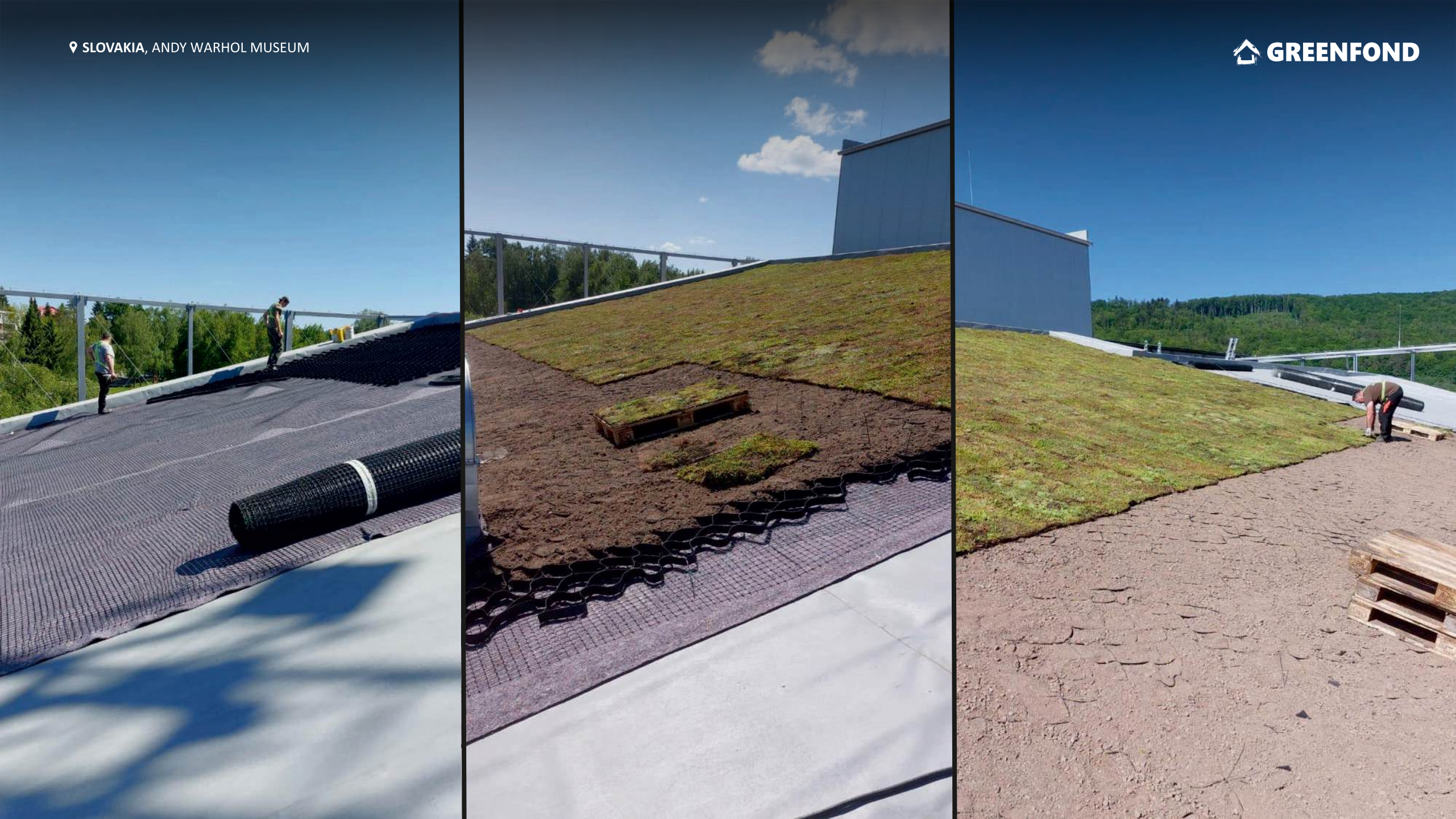




**SLOVAKIA**, ANDY WARHOL MUSEUM

**ROOF AREA: 900 m²**

**SYSTEM:**
**GREENFOND SPE REC**


SLOVAKIA, ANDY WARHOL MUSEUM
GREENFOND


BAŁTÓW, JURAPARK
ROOF AREA: 320 m²
SYSTEM:
GREENFOND SPE DUO


BAŁTÓW, JURAPARK


Polska
w
Miniaturze


GREENFOND
POLSKA


DZIĘGIELÓW
ROOF AREA: 50 m²
SYSTEM:
GREENFOND SPE DUO/REC


DZIĘGIELÓW
GREENFOND


SLOVAKIA
ROOF AREA: 50 m²
SYSTEM:
GREENFOND SPE REC


SLOVAKIA






GREENFOND






SLOVAKIA
ROOF AREA: 450 m²
SYSTEM:
GREENFOND SPE DUO


SLOVAKIA
GREENFOND
HIAB

# GREENFOND GDS

## system for sloped roofs up to 45°



Green Roof Coverings for Sloped Roofs up to **45°**.
An ideal solution for gable, hip, and tent roofs, especially in single-family residential construction.

The special honeycomb structure ensures effective water retention on the roof while directing excess water toward the eaves.

At the same time, this structure prevents the substrate and vegetation from slipping, even on steeply pitched roofs.

Thanks to the ventilated space beneath the roof tiles, counter battens remain dry, which ensures optimal resistance of the system to shear and sliding forces.

We also offer dedicated ridge components and ventilation modules that complement our product line.


KRAKÓW, STRUMIENNA ST.
ROOF AREA: 400 m²
SYSTEM:
GREENFOND GDS 45

**KRAKÓW,** STRUMIENNA ST.





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**GNIEZNO,** VELUX

**ROOF AREA: 250 m²**

**SYSTEM:**
**GREENFOND GDS 45**


GNIEZNO, VELUX




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MIKOŁÓW
ROOF AREA: 130 m²
SYSTEM:
GREENFOND GDS 45


MIKOŁÓW
GREENFOND

# GREENFOND RRM

## lightweight green roof system



**Lightweight Solution** for Extensive Green Roofs with Slopes up to **5°**.
Due to its low weight, this system is ideal for roofs not designed to withstand heavy loads-such as garages, sheds, tool houses, canopies, and terraces.

The system is based on the **RRM** vegetative mat, which provides high water retention capacity—up to **45 l/m²**.

We also offer the **RRM WOOL** vegetative mat, enriched with natural sheep wool.
The addition of sheep wool supports faster vegetation growth during the initial establishment phase.
Wool contains essential nutrients beneficial to plant physiology, such as nitrogen, potassium, and sulfur.It also has a relatively high pH value between 7.5 and 9 which contributes to plant development.
Moreover, the presence of sheep wool increases the water-holding capacity of the vegetative mat.


OBORNIKI ŚLĄSKIE
ROOF AREA: 30 m²
SYSTEM:
GREENFOND RRM

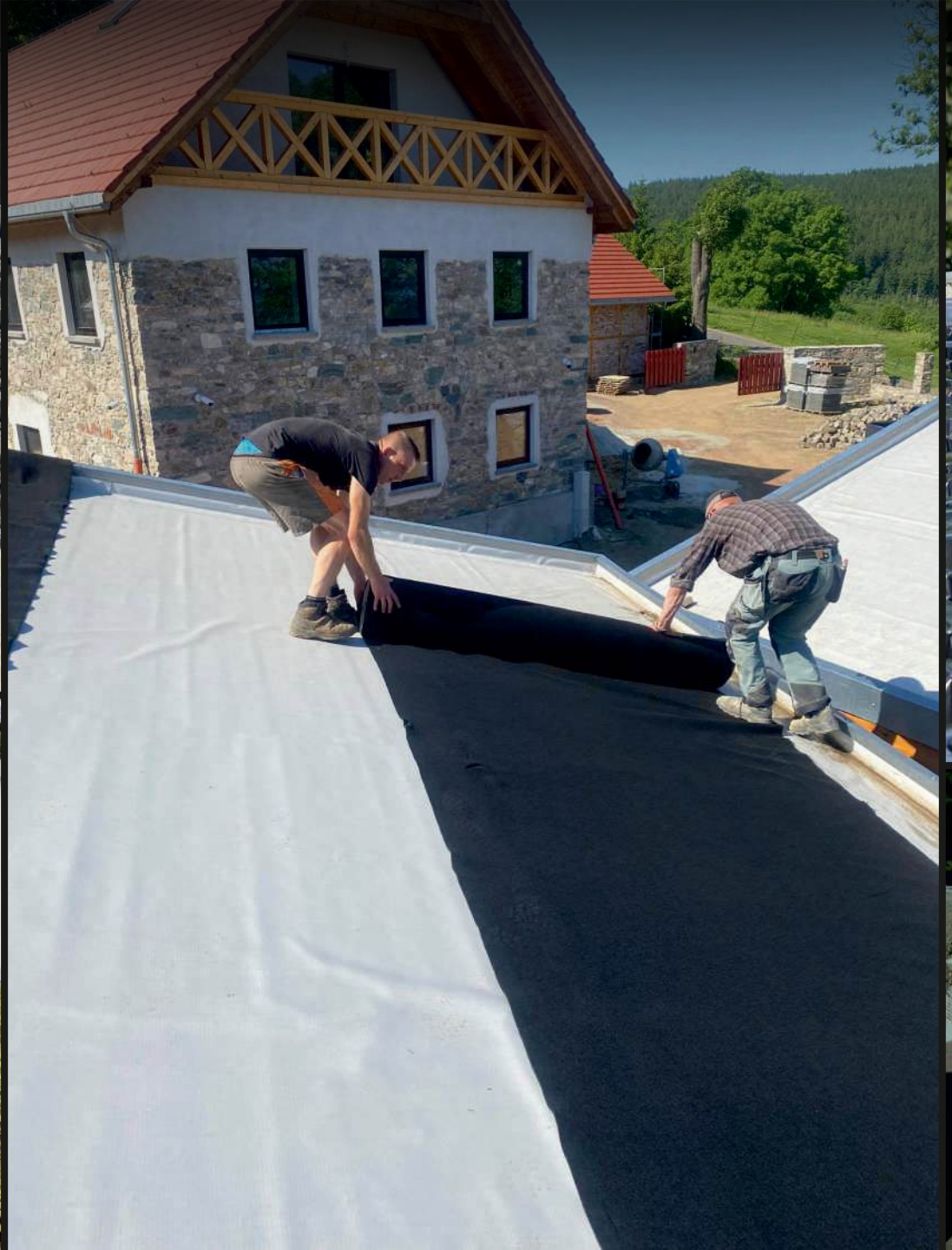

OBORNIKI ŚLĄSKIE

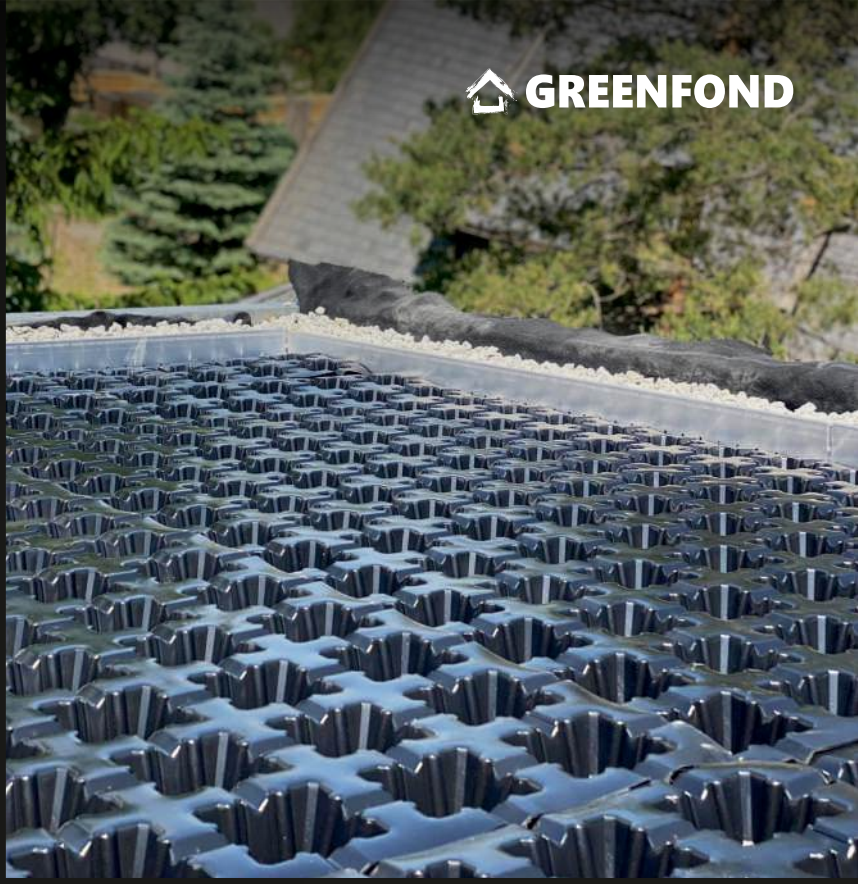

GREENFOND


RUDAWY
ROOF AREA: 100 m²
SYSTEM:
GREENFOND RRM


RUDAWY
GREENFOND






GREENFOND




KRAKÓW, GREEN TERRACE
ROOF AREA: 80 m²
SYSTEM:
GREENFOND RRM



**STRZELCE OPOLSKIE,** PUBLIC RESTROOM

**ROOF AREA: 12 m²**

**SYSTEM:**
**GREENFOND RRM**


STRZELCE OPOLSKIE, PUBLIC RESTROOM




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**DZIWNÓW,** PORTA MARE MARINA

**ROOF AREA: 1 300 m²**



**SYSTEM:**
**GREENFOND REC**


DZIWNÓW, PORTA MARE MARINA


GREENFOND








**OPOLE,** BUS STOP

**ROOF AREA: 5 m²**

**SYSTEM:**
**GREENFOND VRM**

# GREENFOND SDI

## intensive green roof system



An **intensive green roof** system is a comprehensive solution that enables the creation of fully functional rooftop gardens with walkways, decorative plantings, and shrubs.It is designed for flat or low-pitched roofs (up to 5°) with a load-bearing capacity of at least 200–300 kg/m².

**Key benefits:**

- Fully functional garden space: allows for the design of walkways, terraces, and the planting of perennials, shrubs, and small trees
- High water retention: excellent capacity for rainwater capture and storage
- Thermal and acoustic insulation: significantly reduces heat loss in winter and minimizes external noise
- Aesthetics and recreation: transforms the roof into a usable green space, increasing the overall value of the property

**Applications:**

- Recreational terraces on residential or office buildings
- Green leisure zones within housing developments
- Landscaped areas on public or institutional buildings




**WARSZAWA,** DERENIOWA - APARTMENT COMPLEX

**ROOF AREA: 3 000 m²**

**SYSTEM:**
**GREENFOND SDI**

**WARSZAWA,** DERENIOWA - APARTMENT COMPLEX

GREENFOND



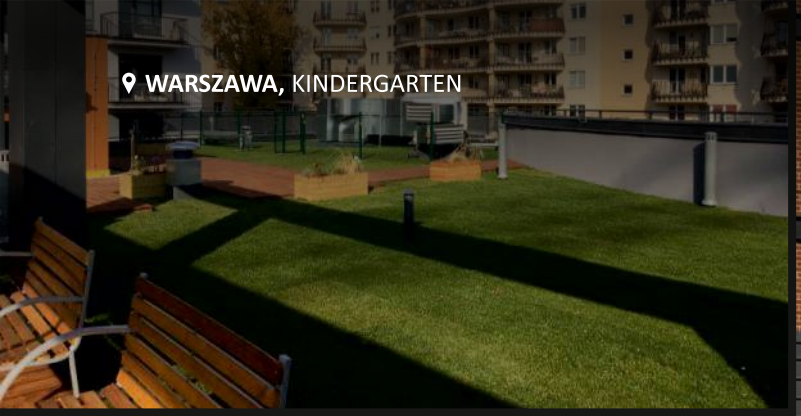




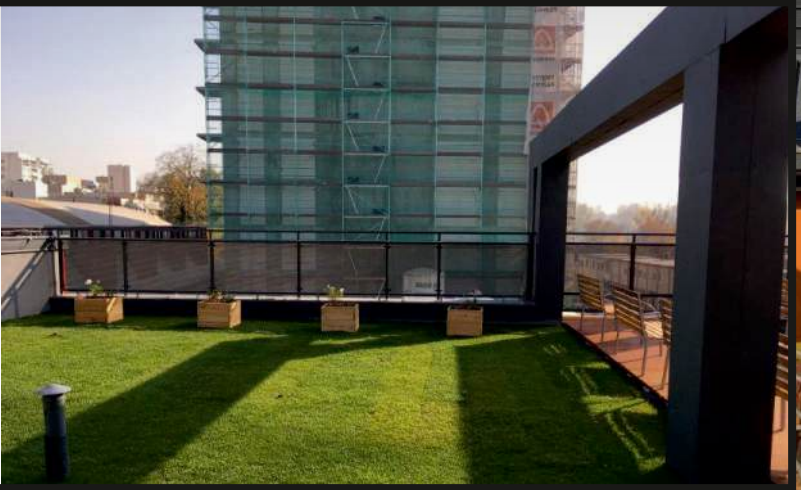
**WARSZAWA,** KINDERGARTEN

**ROOF AREA: 600 m²**

**SYSTEM:**
**GREENFOND SDI**



**WARSZAWA,** KINDERGARTEN





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**WROCŁAW,** NOWE ŻERNIKI

**ROOF AREA: 3 000 m²**

**SYSTEM:**
**GREENFOND SDI**


WROCŁAW, NOWE ŻERNIKI


GREENFOND


GREENFOND



**WARSZAWA,** AMPHITHEATER BRAIN EMBASSY

**ROOF AREA: 100 m²**

**SYSTEM:**
**GREENFOND SDI**

# GREENFOND KT/SPPG

## trafficable areas on flat roofs

1. KT



2. SPPG DRAIN



**GREENFOND KT -** An ideal solution for the rooftops of underground garages, shopping centers, and office buildings.The system is based on Greenfond KT, 40 GARDEN, and TER 4 mats, combined with XPS insulation, ensuring durability, load-bearing capacity, and effective drainage.It offers an aesthetic and functional integration of greenery with a usable surface, resistant to heavy loads and frequent use.

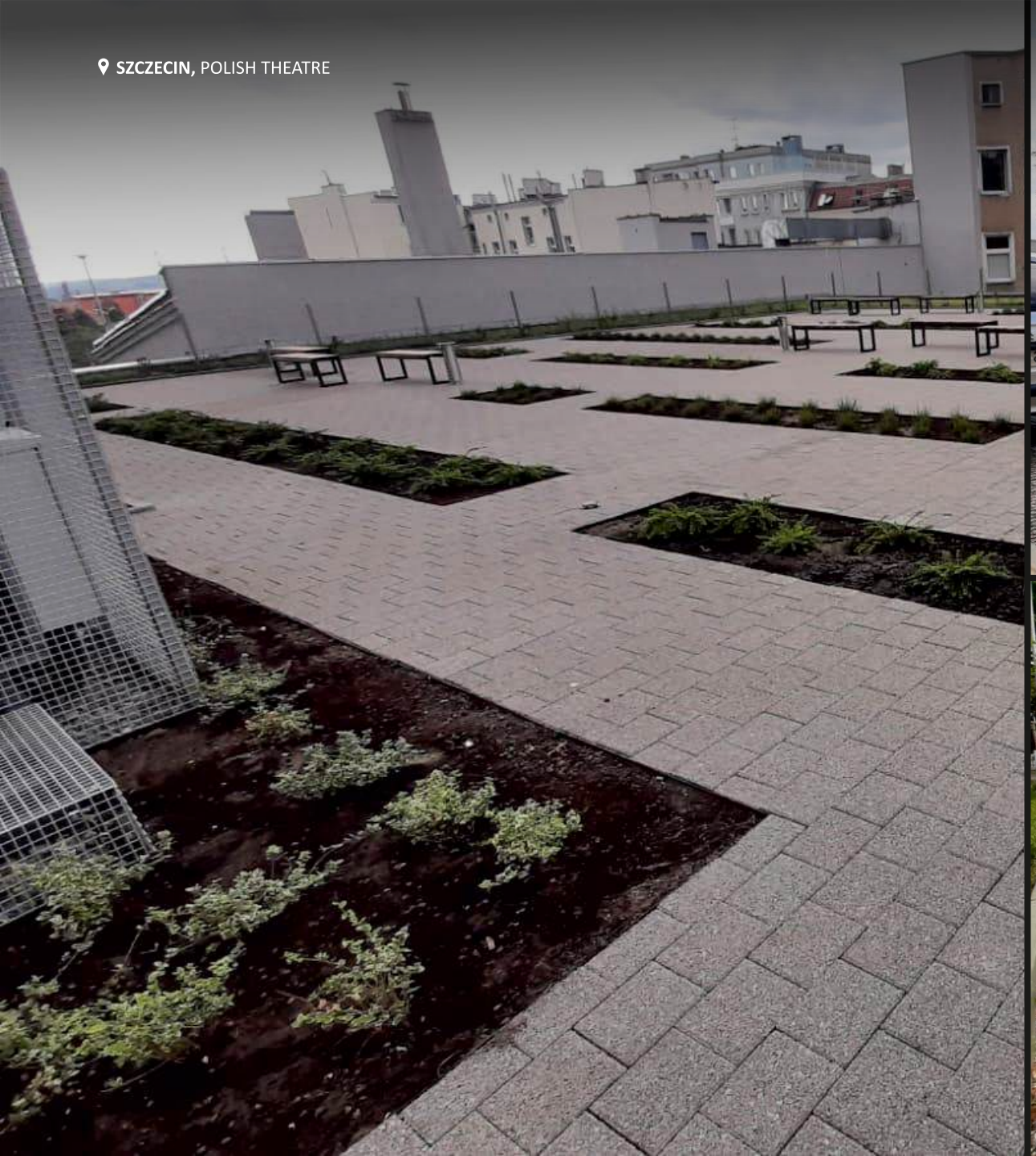
**GREENFOND SPPG DRAIN** - A dedicated solution for pedestrian walkways, driveways, and terraces, providing rapid drainage, high load resistance, and enhanced waterproofing protection.The use of Greenfond DRAIN and TER drainage mats in combination with XPS boards effectively protects the structure from water and temperature fluctuations, preventing moisture accumulation within surface layers.Perfect for paving stones and concrete slabs.



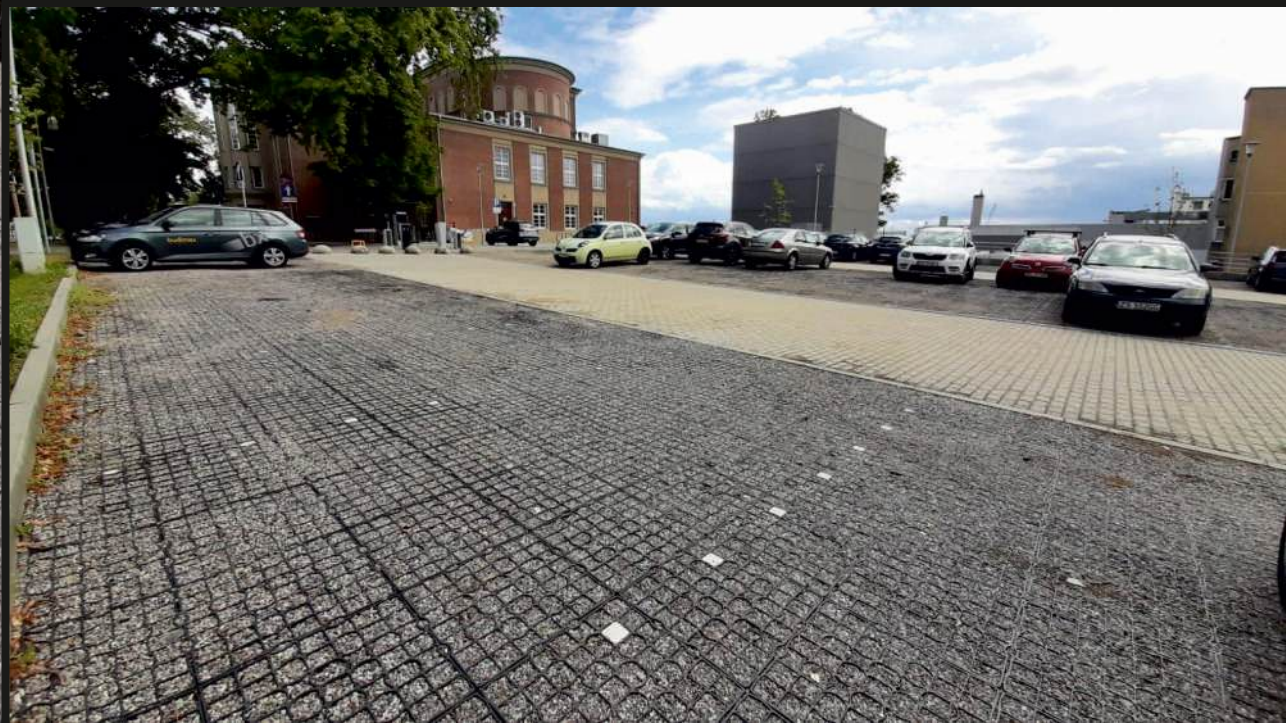
**SZCZECIN,** POLISH THEATRE

**ROOF AREA: 5 000 m²**

**SYSTEM:**
**GREENFOND SPPG**


SZCZECIN, POLISH THEATRE


GREENFOND




SIANOŻĘTY, LOTNICZA ST.
ROOF AREA: 2 000 m²
SYSTEM:
GREENFOND KT
PRODUKTY: GREENFOND TR, KT 40, SWT+N, SWI


SIANOŻĘTY, LOTNICZA ST.


GREENFOND



