



GREEN ROOF
CIKLA



Green roof Molina del Segura, 2022

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GREEN ROOF CIKLA

The Cikla system is the only green roof that uses the plot's own soil as substrate, which makes it a more sustainable green roof as it generates less waste.

The Cikla system uses a retentive, absorbent and draining bottom layer, 2.5 cm thick, by using the SG-L25 substrate, specific for green roofs.

The species recommended in this green roof system are native plants, as they are the best adapted, so the final thickness of the substrate depends on the selected vegetation.

Energy **SAVING**

Improved **THERMAL AND ACOUSTIC** insulation

Prolonging the **SERVICE LIFE OF THE ROOF**

Better use of **URBAN SPACES**

Better **AIR QUALITY**

Increased **BIODIVERSITY**

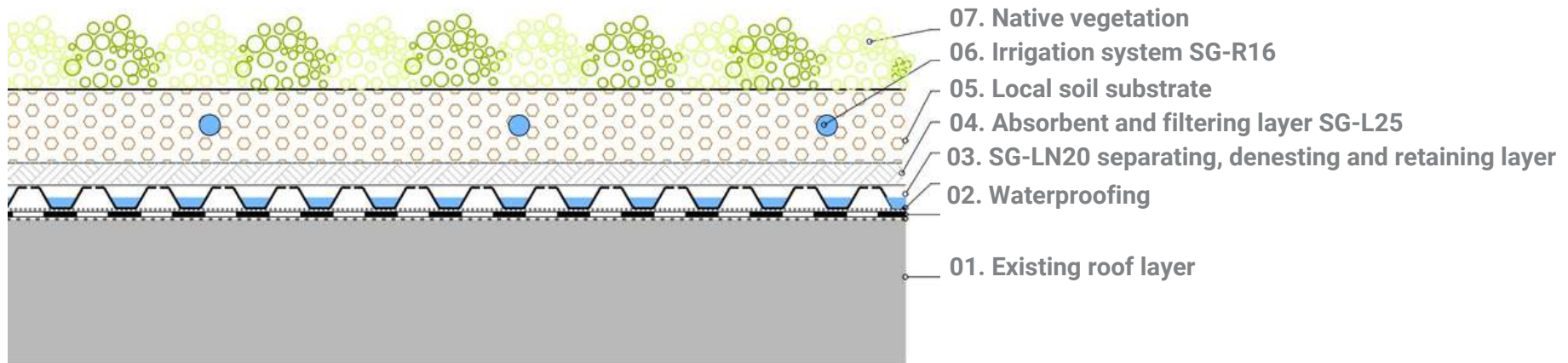
RAINWATER use

Mainstreaming **CIRCULAR ECONOMY**



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DETAIL GENERIC CONSTRUCTION



DETAIL
GENERIC CONSTRUCTION
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DETAIL
GENERIC CONSTRUCTION
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SEPARATING, DRAINING AND RETAINING LAYER**SG-LN20**

Nodular high-density polyethylene drainage sheet 2 cm high

ABSORBENT AND FILTERING LAYER**SG-L25**

Type and thickness depending on the plant finish. Recommended minimum thickness 50mm.

SUBSTRATE**LOCAL SOIL SUBSTRATE**

Type and thickness depending on the topsoil finish of at least 50 mm.

IRRIGATION SYSTEM**SG-R16 INTEGRATED DRIPPER SYSTEM**

Underground irrigation system consisting of Ø16 mm. pipes, made of low density polyethylene, with integrated drippers.

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VEGETATION TYPES



AUTOCHTHONOUS VEGETATION

TYPE OF VEGETATION

Native species selected by SingularGreen specialists.

PLANTING SYSTEM

By transplanting or seeding.

TYPE OF SUBSTRATE

Own land

THICKNESS OF SUBSTRATE

From 5 cm depending on the vegetation.

CLIMATE TYPE

It adapts to all types of climate, depending on plant selection.

**Sustainable
system**

**Latest technology in
green roofs**

**Adapts to flat surfaces with
minimal slope**



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TECHNICAL DOCUMENTATION

APPLICABLE REGULATIONS

- CTE. DB HS Health and Safety.
- CTE. DB SI Fire Safety.
- NTE-QAA. Roofs: Roof gardens.
- NTJ 11C Green roofs

*This regulation is mandatory in Spain. If the work is to be carried out in another country, please consult the specific regulations of that country.

SPECIFICATIONS



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WHO ARE WE?



At SingularGreen, we specialize in providing cities with green spaces through **Nature-Based Solutions** and the **integration of architecture and vegetation**, with the aim of improving the quality of life for those who inhabit them.

That's why we don't just design, we take action by creating all kinds of **unique landscaping projects**.

Innovation is in our DNA, and our R&D department has been conducting constant research for over **15 years to develop our own technology**, adapting to each environment.

At SingularGreen, we are passionate about what we do, and we are characterized by **creating creative solutions for your project**, offering comprehensive advice, execution, and maintenance services, always adapting to your needs.

SingularGreen: Creative Solutions Based on Nature.





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