

FLAT ROOF WATERPROOFING

INTRODUCTION

The Effisus E corooof System is a complete, efficient, and sustainable system that guarantees a roof's energy-efficient sealing and protects a building where it is most vulnerable and exposed to atmospheric conditions, increasing its overall "robustness". The solutions provided by this system, consisting of several elements which are carefully selected, contain all necessary parts and accessories for its proper execution and the system is tailored to each project's specific requirements.

Among those elements, its sealing membrane deserves particular attention since it does not contain plasticisers (preventing breakage or swelling due to exposure to UV radiation), is highly resistant to wind action, and can be repaired over the entire course of its useful life. Easy, cost-effective maintenance and quicker and efficient application (given that no adhesives are necessary and that all components parts can be joined by heat-welding) are equally deserving of notice.

SYSTEMS COMPRISE SEVERAL ELEMENTS, NAMELY THE FOLLOWING:

- **Effisus Ecorooof Membrane;**
- **Effisus Fix Fasteners;**
- **Effisus-Approved Thermal Insulation;**
- **Effisus Vap Membrane Water Vapour Barrier.**

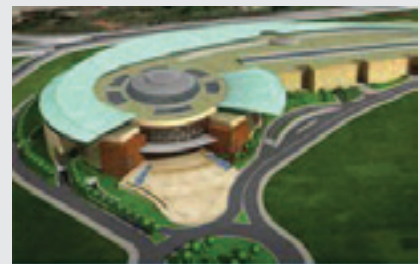
WHY SHOULD YOU CHOOSE EFFISUS ECOROOOF SYSTEM?

EFFICIENCY

- Complete, integrated system
- Certified installation personnel
- Versatility – can be applied to flat, slanted, and curved roofs, either accessible or not
- Low maintenance requirements
- Excellent chemical compatibility
- Resistance to great thermal amplitude
- Excellent resistance to UV radiation
- Compliance with the most stringent international type-approval requirements

SUSTAINABILITY

- Certified for compliance with environmental standards
- No plasticisers
- Chlorine-free, halogen-free, and contains no chemicals harmful to the environment
- Low energy consumption during manufacturing, installation, and usage
- Recyclable and reprocessable material
- Great durability
- Maximises the roof's (and the building's) energy efficiency



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EFFISUS ECOROOF SYSTEM COMPONENTS

Effisus Ecoroof Membrane

Sealing membrane applied by heat-welding.

Colours: Light Grey| White| Medium Grey| Terracotta| Patina Green| Ivy Green| Desert Brown| Neon Blue| Tan

Effisus Ecork Insulation

Cork panel offering good resistance to compression.

Excellent thermal insulation. Recyclable natural product that can be reutilised.

PIR Insulation approved for application with Effisus Ecoroof

Polyisocyanurate (PIR) insulation panel of high resistance to compression. Guaranteed high thermal efficiency even when applied in limited thickness.

Rockwool Insulation approved for application with Effisus Ecoroof

Panel offering good resistance to compression.

Effisus Vap Membrane

Water vapour barrier to increase insulation efficiency.

Effisus Fix Fasteners

Polyamide fasteners for application with the Effisus Ecoroof system.

EFFISUS ECOROOF SYSTEM ACCESSORIES

Effisus Ecoroof Walk Membrane

Catwalks for non-accessible roofs.

Effisus Ecoroof Coated Sheet

Metal sheet insulated with Effisus Ecoroof Membrane.

Effisus Bonding SB Adhesive

Adhesive to bond Effisus Ecoroof Membrane to metal or concrete surfaces.

Effisus Block JP Sealant

Sealant guaranteed to effectively seal joints between elements.

Effisus Adjoin GS Tape

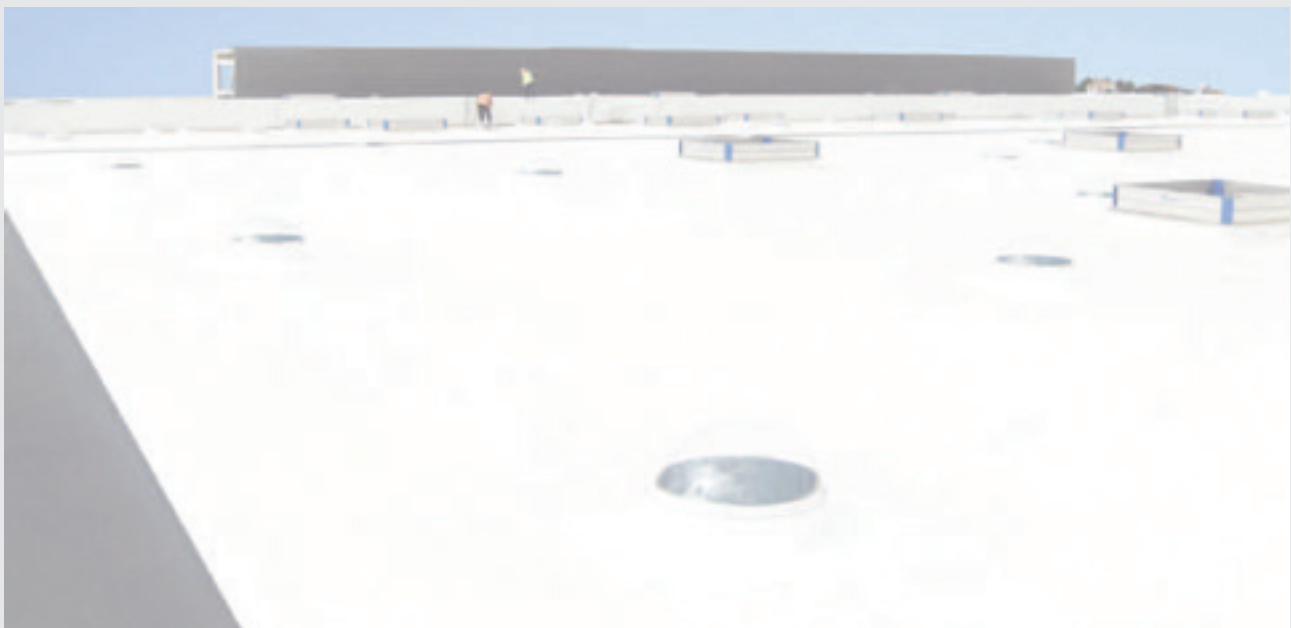
Adhesive tape to seal overlapping joints of Effisus Vap Membrane water barrier.

Effisus 2Bond GO Tape

Sealing tape to seal water vapour barrier and membrane joints.

Effisus Setup PR Cleaner

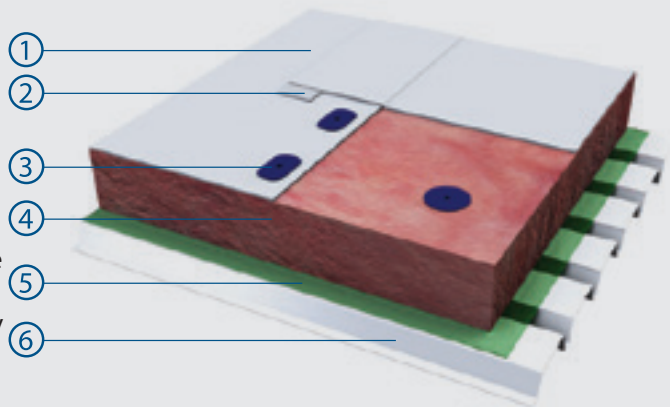
Membrane cleaner for application prior to heat-welding.



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1 - EFFISUS ECOROOF MEMBRANE

The Effisus Ecoroof sealing membrane has been approved for installation and employed in a variety of major leading developments, built domestically and abroad. Its composition does not contain plasticisers; nor does it contain chlorines, halogens, or other chemicals harmful to the environment; and it is 100% recyclable and can be reutilised. The membranes are joined by heat-welding. Maintenance requirements are minimal and it can be repaired over the entire course of its useful life. The Effisus Ecoroof Membrane is highly resistant to solar radiation and to great change in temperature.



2 - HEAT-WELDING

Heat-welding is the quickest, cleanest, and most efficient method to guarantee the sealing's continuity and effectiveness. The quality of heat-welded seams is guaranteed, even when subjected to low temperatures.

3 - EFFISUS FIX FASTENERS

Effisus Fix Fasteners are specific and ideal for application with this system. They consist of polyamide parts allowing significant reduction of thermal bridging occurring in the roof. They offer superior resistance to detachment, enhancing the robustness of the entire system.

4 - EFFISUS-APPROVED THERMAL INSULATION

There are several thermal insulation options for application with the Effisus Ecoroof system. Contrary to some conventional solutions, those options ally technical efficiency to sustainability. The following range of options is available – Effisus Ecork Insulation panel, made of expanded insulation corkboard, which is a natural product resistant to compression that offers excellent thermal insulation; rockwool or PIR insulation panel approved for application with the Effisus Ecoroof system.

5 - EFFISUS VAP MEMBRANE

Together with Effisus Ecoroof sealing elements, the Effisus Vap Membrane water vapour barrier assures efficient moisture management by preventing condensation, which eventually will lead to degradation of the thermal insulation and to colonisation by fungi or mildew. In turn, those elements provide increased longevity and efficiency in the thermal insulation.

6 - METAL DECK OR CONCRETE SLAB



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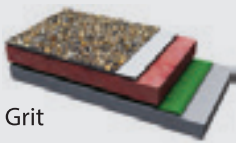
EFFISUS ECOROOF INTEGRATED ROOFING SYSTEMS

INTEGRATED SYSTEMS WITH AND WITHOUT MECHANICAL PROTECTION

Effisus Ecoroof integrated systems can be fully adapted to project specifications since they're suitable for roofing with mechanical protection (slab, grit, ceramic lining, etc.) and for roofing with no mechanical protection (fitting to metal decking).

FULLY ADHERED INTEGRATED SYSTEMS

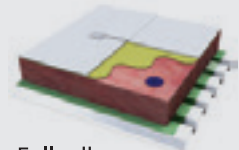
The fully adherent Effisus Ecoroof integrated system is the most suitable system for demanding geometries such, for instance, as curved roofs or steeply slanted roofs.



Grit



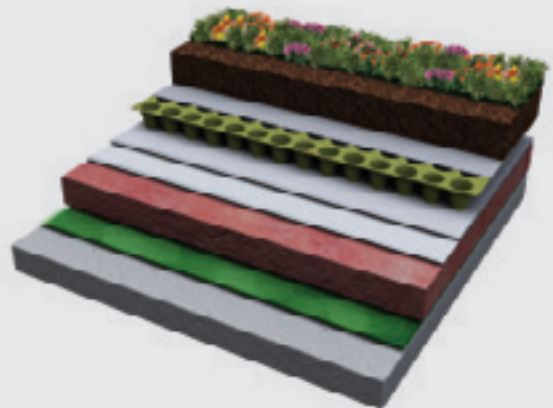
Metal deck panel



Full adherence

EFFISUS ROOFYARD LATEST-GENERATION LIVING ROOFS

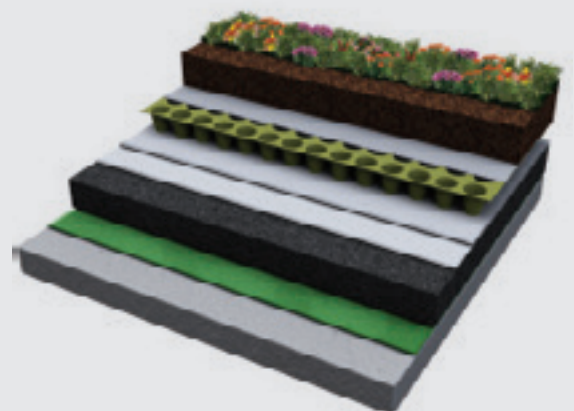
The Effisus Roofyard integrated system is an efficient and sustainable system for living roof applications. Keeping abreast with innovation, and to meet the needs of the construction industry, Up-Way provides living roof solutions that are wholly efficient when it comes to waterproofing.



EFFISUS ROOFYARD LATEST-GENERATION LIVING ROOFS

Up-Way and Amorim Isolamentos S.A. have allied to promote cork, an efficient and sustainable superior quality Portuguese material.

In its living roof option, the Effisus Ecork integrated system is an efficient and sustainable system that allies the excellence of the characteristics of Effisus Ecork expanded insulation corkboard thermal insulation to sealing effectiveness – excellent dimensional stability, unlimited durability, good resistance to compression, and good thermal and acoustic insulation and insulation against vibration.



LOCATION

