



# FLAT ROOF WATERPROOFING

## INTRODUCTION

The Effisus E corooft 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 Ecorooft Membrane;**
- **Effisus Fix Fasteners;**
- **Effisus-Approved Thermal Insulation;**
- **Effisus Vap Membrane Water Vapour Barrier.**

## WHY SHOULD YOU CHOOSE EFFISUS ECOROOFT 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



## 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 Ecorok 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

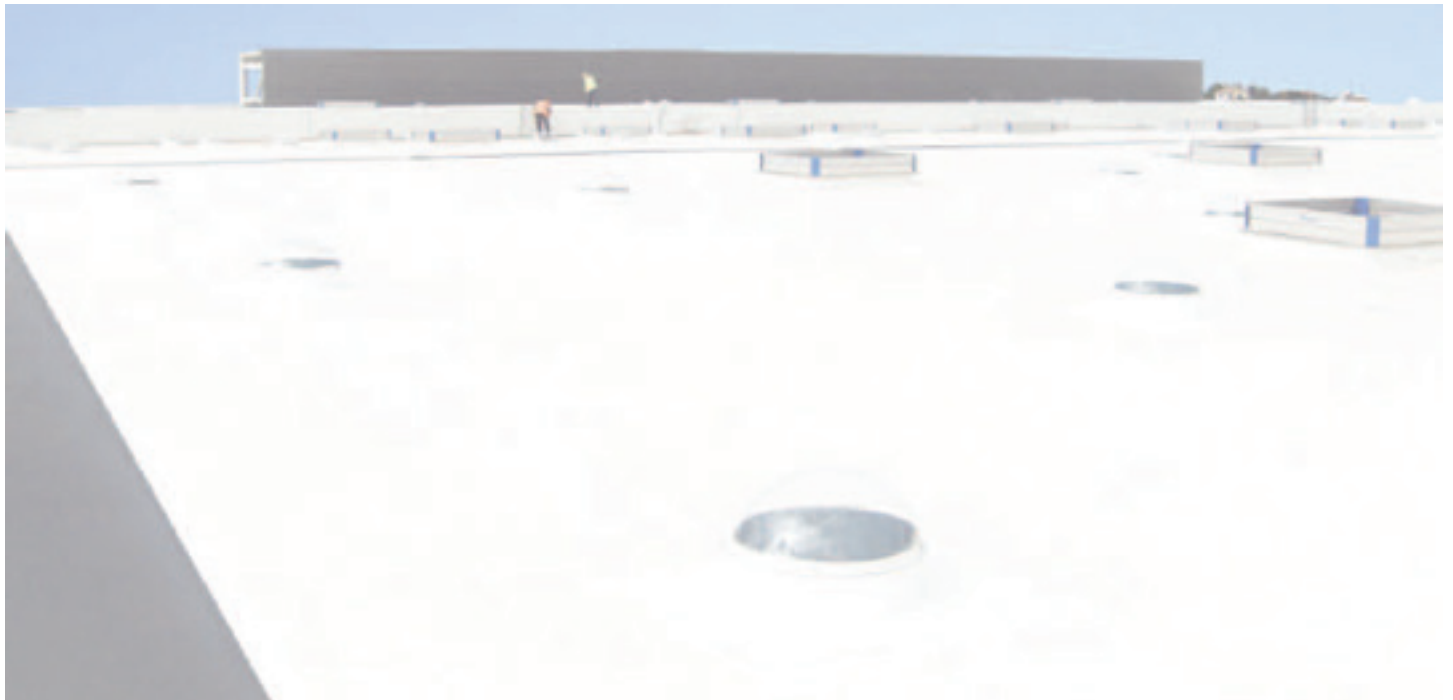
Adhesive tape to seal overlapping joints of Effisus Vap Membrane water barrier.

### Effisus 2Bond GO Tape

Sealing tape to seal water vapour barrier and membrane joints.

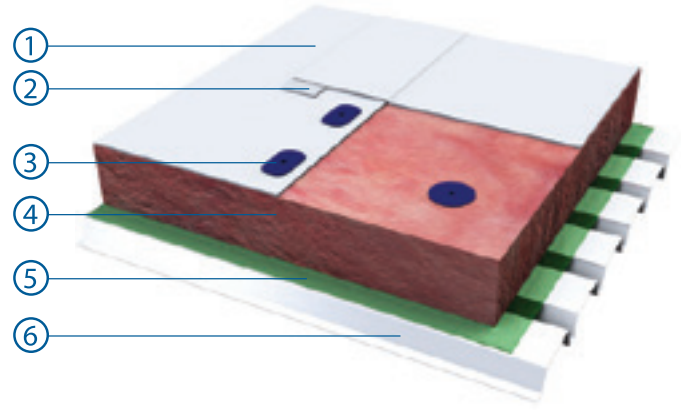
### Effisus Setup PR Cleaner

Membrane cleaner for application prior to heat-welding.



## 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



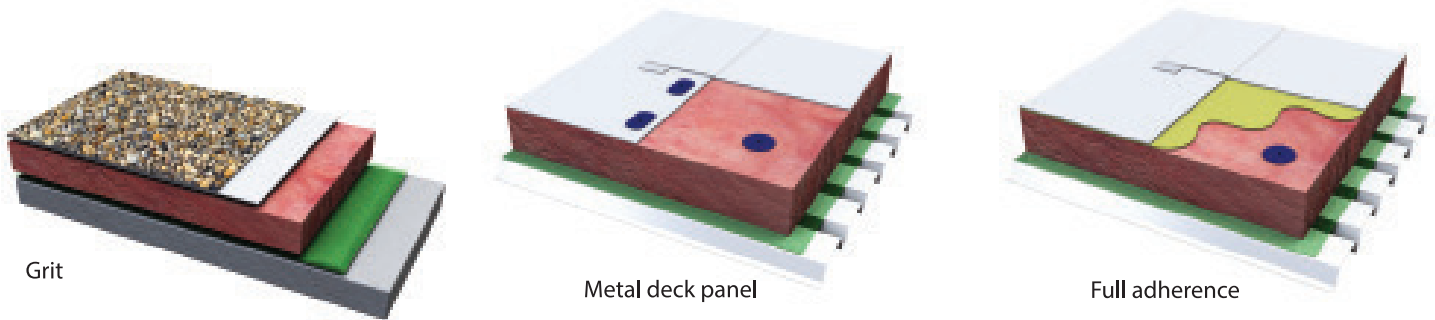
## EFFISUS ECOROOF INTEGRATED ROOFING SYSTEMS

### 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).

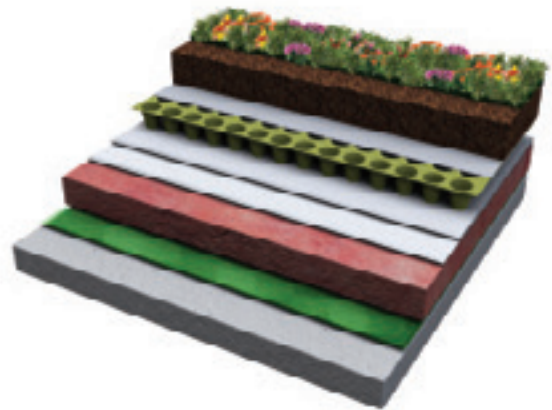
### FULLY ADHERED INTEGRATED SYSTEMS

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.



## EFFISUS ROOFYARD LATEST-GENERATION LIVING ROOFS

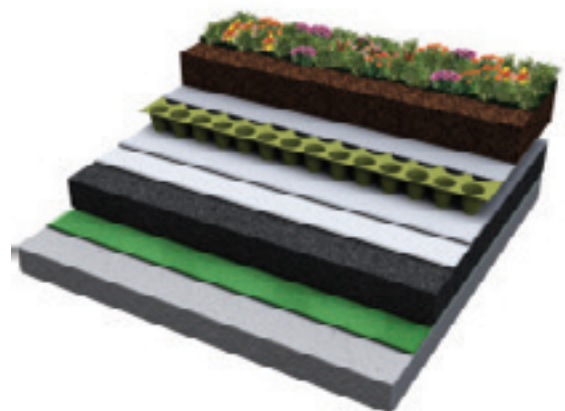
The Effisus Roofyard integrated system is an efficient and sustainable system for living roof applications. Keeping abreast with innovation, and to meet the needs of the construction industry, Up-Way provides living roof solutions that are wholly efficient when it comes to waterproofing.



## 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.





# LOCATIONS

## KIGDOM OF SAUDI ARABIA

unitech.ksa@ikkgroup.com

### Jeddah

Tel : +966 12 627 8222  
Fax: +966 12 627 8722

### Jeddah - Ghurab Showroom

Tel : +966 12 667 2000  
Fax: +966 12 661 4306

### Mak kah/Taif

Tel : +966 12 541 1206  
Fax: +966 12 532 1675

### Mad inah

Tel : +966 14 842 1095  
Fax: +966 14 842 1090

### Yanbu

Tel : +966 14 390 1499  
Fax: +966 14 322 7101

### Khamis Mushayt

Tel : +966 17 237 5929  
Fax: +966 17 237 8783

### Najran

Tel : +966 17 546 3873  
Fax : +966 17 546 3873

### Al Baha

Tel : +966 17 237 5929  
Fax: +966 17 237 8783

### Sharorah

Tel : +966 17 532 8153  
Fax: +966 17 532 8153

### Gizan

Tel : +966 17 321 6660  
Fax: +966 17 321 0665

### Riyadh North

Tel : +966 11 415 5465  
Fax: +966 11 456 6627

### Riyadh South

Tel : +966 11 448 0112  
Fax: +966 11 447 7421

### Riyadh West

Tel : +966 11 431 6271  
Fax: +966 11 431 7642

### Riyadh East

Tel : +966 11 448 0112  
Fax: +966 11 447 7421

### Qassim / Buraidah

Tel : +966 16 382 3946  
Fax: +966 16 385 2186

### Hail

Tel : +966 16 543 3931  
Fax: +966 16 543 3935

### Skakah / Qurayyat

Tel : +966 14 626 3904  
Fax: +966 14 626 3905

### Tabuk

Tel : +966 14 423 5203  
Fax: +966 14 423 5203

### Hafr el Batin

Tel : +966 13 729 3644  
Fax: +966 13 729 3644

### Dammam

Tel : +966 13 859 0097  
Fax: +966 13 857 8177

### Jubail

Tel : +966 13 361 4390  
Fax: +966 13 362 4499

### Hofuf

Tel : +966 13 530 1474  
Fax: +966 13 530 7144

## FACTORIES

### SFSP - KSA

sfsp.jeddah@ikkgroup.com

Specialized Factory for Steel Products

#### 3rd Industrial City / Jeddah

Tel: +966 12 637 4482  
Fax: +966 12 636 1963

### SFSP / UAE

sfsp.uae@ikkgroup.com

SIGMA Factory for Steel Products

#### DIC (Dubai Industrial City)

Tel : +971 4 818 1919

### SFSP / Egypt

sfsp.cairo@ikkgroup.com

Specialized Factory for Steel Products

#### 6th of October City Giza

Tel : +20 2 3820 6477  
Fax: +20 2 3820 6036

### SFSP / Lebanon

sfsp.lebanon@ikkgroup.com

Specialized Factory for Steel Products

#### Tanayel, Bekaa

Tel: +961 8 514 290  
Fax: +961 8 514 291

## BAHRAIN

unitech.bahrain@ikkgroup.com

### Manama

Tel : +973 17 874 897  
Fax: +973 17 789 470

## KUWAIT

unitech.kuwait@ikkgroup.com

### Kuwait City

Tel : +965 2 4924 937  
Fax: +965 2 4924 938

## UNITED ARAB EMIRATES

unitech.uae@ikkgroup.com

### Dubai - Al Rashidiyah

Tel : +971 4 2591 773  
Fax : +971 4 2591 774

### Abu Dhabi - Musaffah

Tel: +971 2 552 3393  
Fax: +971 2 552 5499

## OMAN

unitech.oman@ikkgroup.com

### Muscat

Tel : +968 24 591 006  
Fax : +968 24 597 006

## JORDAN

unitech.jordan@ikkgroup.com

### Amman

Tel : +962 6 556 3030  
Fax: +962 6 554 7911

### Aqaba

Tel : +962 6 556 3030  
Fax: +962 6 554 7911

## PAKISTAN

unitech.pakistan@ikkgroup.com

### Karachi - Clifton

Tel-Fax : +92 21 35826120

## EGYPT

unitech.egypt@ikkgroup.com

### Cairo 6<sup>th</sup> of October City

Tel : +20 2 3820 6477  
Fax: +20 2 3820 6036

## LEBANON

unitech.lebanon@ikkgroup.com

### Beirut

Tel : +961 1 858 277  
Fax: +961 1 858 276

## ENGINEERING, DESIGN, MARKETING & MULTIMEDIA

### Unitech Deutschland GmbH

#### Germany

unitech.germany@ikkgroup.com

### Stuttgart

Tel : +49 711 6868 7222  
Fax: +49 711 6868 7223

### Multi-D s.a.r.l

#### Lebanon

multi-d@ikkgroup.com

### Multi-d Beirut

Tel : +961 1 841 155  
Fax: +961 1 841 156

## R&D DEPARTMENT

Saih Suhaib-3, Opp DEWA Substation, Dubai Industrial City, Dubai, UAE

Tel : +971 4 818 1944 - Mob: +971 55 517 0841

Email: unitech.uae@ikkgroup.com - abed.demachkieh@ikkgroup.com