



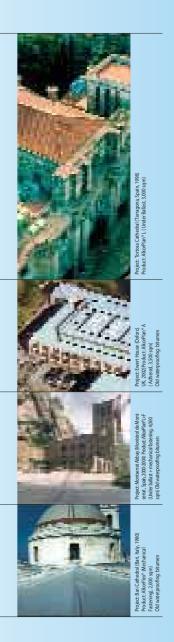




### THE PRODUCT RANGE

**RENOLIT** WATERPROOFING produces two membranes types suitable for the refurbishment of roofs:

- AlkorPlan\* (made of PVC-P): experience and proven quality in synthetic membranes.
- AlkorFlex\* (in modified PE): flat roof membranes with enhanced safety.

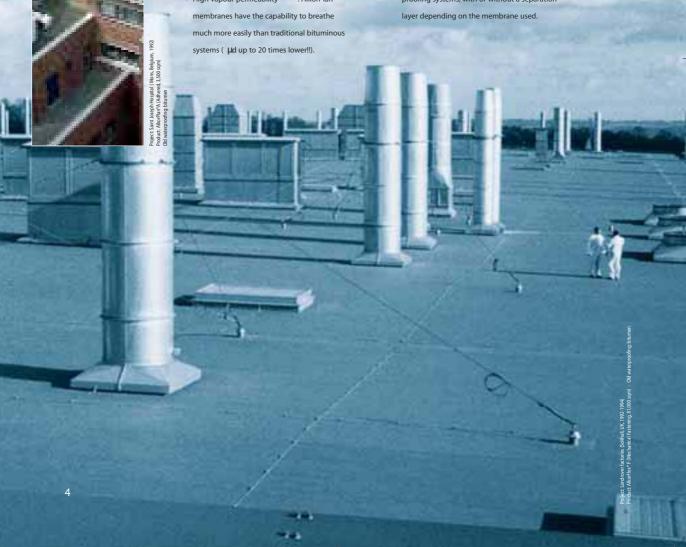


EXCELLENCE IN ROOFING

### ADVANTAGES OF SYNTHETIC MEMBRANES

## Advantages of synthetic membranes compared to the "traditional" bituminous waterproofing solutions:

- Light weight : the membranes half the cost of bituminous membranes
- Reduced Fire Risk : seams are welded without the use of naked flame.
- · Increased speed of installation 30 m <sup>2</sup> roll replaces up to 3 bituminous rolls.
- High vapour permeability membranes have the capability to breathe much more easily than traditional bituminous
- Consequently the removal of the old waterproofing system prior to renovation may
- RENOLIT WATERPROOFING membranes benefit from a 10 years manufacturers guarantee.
- Ability to install over old bituminous waterproofing systems, with or without a separation



THE SYSTEMS









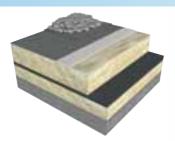
The renovation systems

The most commonly used systems for the refurbishment of old bituminous roofs without the removal of the old waterproofing medium are:



For ballasted roofs:

With extra insulation

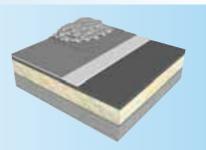


### **Ballast**

- Protection layer AlkorPlus® 81005/AlkorPlan® 35121
- Waterproofing membrane AlkorFlex® L, AlkorPlan® L
- ☐ Separation layer (AlkorPlus® 81001 on EPS or PUR insulation, AlkorPlus® 81005 on bitumen surfaced insulation boards) (only on AlkorPlan®)
- Insulation

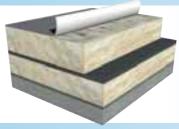
Insulation

Old bitumen/vapor control layer



For non-ballasted roofs on a concrete structure:

With extra insulation

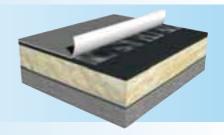


### ■ Waterproofing membrane AlkorPlan® A,

Old bitumen/vapor control layer

### Without extra insulation

Without extra insulation



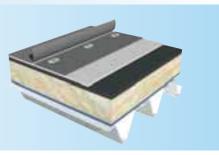
For non-ballasted roofs on a wooden structure or on steel deck:

With extra insulation

Without extra insulation



- Waterproofing membrane AlkorFlex® F, AlkorPlan® F, mechanically fixed
- ☐ Separation layer (AlkorPlus® 81001 on EPS or PUR insulation, AlkorPlus® 81005 on bitumen surfaced insulation boards) (only on AlkorPlan®)
- Insulation
- Old bitumen/vapor control layer



EXCELLENCE IN ROOFING

### METAL ROOF REFURBISHMENT



The AlkorPlan Profile System combines the appearance of an aluminium, lead, zinc or copper roof with the advantages of

The AlkorPlan® Profile System consists of 2 elements.

AlkorPlan® synthetic waterproofing membranes.

- AlkorPlan® F mechanically fastened
- Extruded AlkorPlan® PVC-P profiles, hot air welded to the roofing membrane.

The AlkorPlan Profile system avoids many of the disadvantages of metal roofing systems.

• Cost-effectiveness: the AlkorPlan Profile System can generate important reductions in the cost of the system and the cost and weight of the roof structure - more than 40% in some of the more complex cases.

### • Shorter Installation time:

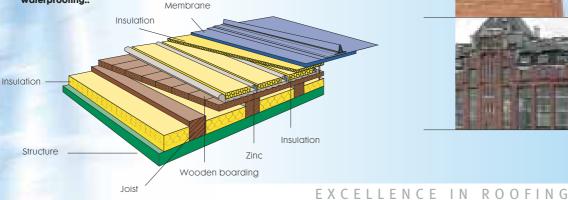
- Fixing without sliding clamp nails or distribution plates
- Neater, integrated detailing
- Hot air welding

### • Less demanding for the structure:

- The vapour permeability of the membrane reduces the risk of condensation and avoids ventilation problems.
- Thanks to the flexibility of the AlkorPlan® waterproofing membranes, they may be easily installed on all geometric shapes of roofs.
- Limited Weight: The AlkorPlan® waterproofing membranes weigh no more than 1,8kg/m² (1,5mm thickness), this allows savings to be made on the roof structure.
- Limited maintenance: in general, a visual inspection and a simple cleaning of the gutters and the outlets is sufficient.

Furthermore, in case of refurbishment, the old metal waterproofing needn't be removed if the mechanical properties allow it. This will keep the roof refurbishment costs low.

Example of the refurbishment of an old, metal roofing system with maintenance of the old waterproofing...











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# **RENOLIT**WATERPROOFING



The British Board of Agreement have assessed the life expectancy of AlkorPlan<sup>e</sup> to be in excess of 25 years.



AlkorPlan® roofing products and Systems have a standard guarantee of 10 years, and are installed by approved contractors and installers who are trained and assessed by Alkor Draka.



All RENOLIT WATERPROOFING membranes for roofing are part of the RoofCollect\* collection and recycling programme.



RENOLIT WATERPROOFING is responsible for the roofing activity and has been approved to EN ISO 9001:2000.

The information contained in the present commercial literature has been given in good faith and with the intention of providing information. It is based on current knowledge at the time of issue, and may be subject to change without notice. Nothing contained herein may induce the application of our products without observing existing patents, certificates, legal regulations, national or local rules, technical approvals or technical specifications or the rules and practices of good workmanship for this profession. The purchaser should verify whether import, advertising, packaging, labelling, composition, posession, ownership and the use of our products or the commercialisation of them are subject to specific territorial rules. He is also the sole person responsible for informing and advising the final end user. When faced with specific cases or application details not dealt with in the present guidelines, it is important to contact our technical services, who will give advice, based on the information at hand and within the limitations of their field of expertise. Our technical services cannot be held responsible for the conception of, nor the execution of the works. In the case of negligence of rules, regulations and duties on the part of purchaser we will disclaim all responsibility. The colours respect the UV resistance required by EOTA, but are still subject to the natural change over time. Are excluded from the guarantee: aesthetic considerations in case of partial repair of a deficient membrane covered by the guarantee.

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