What is Envirotech PVC?

A reinforced membrane made from top quality PVC, the Envirotech PVC single ply roofing system is one of the leading products on the market and is the choice for commercial projects as well as domestic buildings.

The membrane is available in two different colours Slate Grey and Mid Grey, the Slate Grey membrane is almost indistinguishable in appearance from slate and lead which allows it to blend in with the rest of the building to create a flawless yet functional finish.

Our Mid Grey membrane is a lighter coloured alternative that blends just as seamlessly.

How to use Envirotech PVC

Single ply is a membrane made from a thermo-plastic material which when welded with a hot air gun fuses to create a super-strong sheet.

This type of waterproofing can be used on both old and new builds and is suitable for flat and pitched roofing.

Examples of past projects include:

- dormers
- extensions
- porches
- attic conversions
- garages
- canopies
- green roofing
- commercial buildings
- churches

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How is Envirotech Fixed?

An Envirotech PVC single ply roofing membrane can either be adhered to the roof or mechanically fixed, depending on the requirement. It is also particularly suitable for projects where the appearance of lead finishing is desired, without the expense and theft risk of installing real lead.

Although felt bitumen has been used on roofing for a long time, in recent years it has been ousted by single ply membranes because of its ease of installation, convenience and durability.

Envirotech PVC single ply membranes are guaranteed for 20 years.

They provide an attractive, durable and cost-effective alternative.

Single ply membranes are now the number one choice for surveyors, architects, engineers and builders.

Where can I buy Envirotech PVC?

Interloc Building Solutions has a full range of products from full sheeting to adhesives and finishing. Call or email us to get a quote or place an order.

The standard membrane comes in a roll measuring 20m x 2.12m which is also available in a fleece-backed version in the same size.

To make the installation tight and waterproof there are pre-formed corners, both external and internal, to ensure an immaculate finish on the detailing. There is also a wide range of edging and backing plates, as well as adhesives, fixings and a vapour control layer.

You can find everything you need to fully install an Envirotech PVC single ply roofing system at Interloc Building Solutions.

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Technical Details

The Mid Grey and Slate Grey roofing material is a polyester scrim reinforced membrane for mechanically fastened roofing systems on both flat and sloping roofs and is suitable for both new build and refurbishment installations.

The membrane is mechanically fastened in the overlap using round metal fixings and screws into the deck. Overlaps are hot air welded.

The membrane can also be used for ballasted systems or alternatively in adhered systems bonded using contact adhesive.

The membrane can also be used for upstand detailing.

System Components

To complete the installation of the membrane the system included a wide range of accessories, including detailing and walkway membrane, preformed corners and outlets, standing seam profile, pre-coated metal sheet for forming edge details, fastening systems, vapour control layers, adhesives and cleaners.

Product Details

Thickness	1.2 mm
Width	2.12m
Length	20m
Colour	Mid Grey or Slate Grey
Material	PVC-P
Reinforcement	Woven Polyester Scrim (unreinforced also available)
Product Codes	MG-01-20-10, MG-02-20-10, SG-01-20-10, SG-02-20-10

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1. IDENTIFICATION OF THE PRODUCT AND COMPANY DETAILS

Products: PVC Membrane
Product Use: Roof waterproofing membrane
Supplier: Interloc Building Solutions, 15 Cromarty Campus, Rosyth Europarc, KY11 2YB (supplier only, not manufacturer)

2. COMPOSITION/INFORMATION ON INGREDIENTS

This PVC is a membrane manufactured from a blend of ingredients including synthetic polymers and mineral fillers.
The product is not classified as dangerous under the Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP 3).

3. HAZARDS IDENTIFICATION

The product is not hazardous to health.

4. FIRST-AID MEASURES

IN ALL CASES IF SYMPTOMS ARE SEVERE, PERSIST OR CAUSE CONCERN, OBTAIN IMMEDIATE MEDICAL ADVICE.
First aid procedures apply when products are subjected to high temperatures, e.g. in a fire, or when heated during installation.
Skin/Eyes: Not applicable under normal working conditions.
Inhalation: Not applicable under normal working conditions. In the event of a fire, remove from fumes to fresh air if any ill effects are experienced. Rest and keep warm.

5. FIRE-FIGHTING MEASURES

The membrane is fire retarded and will not ignite under normal circumstances. However, in a fire it will burn releasing harmful products. In the event of a fire, wear protective clothing. In confined areas wear self-contained breather apparatus. Extinguish fire with foam or dry powder.

6. ACCIDENTAL RELEASE MEASURES

Not applicable.

7. HANDLING AND STORAGE

Store under cover away from sources of heat and ignition. Refer also to product technical literature for any specific conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

No particular handling precautions are necessary in normal use but the wearing of pvc gloves is recommended and good hygiene
measures should be followed at all times.

9. PHYSICAL AND CHEMICAL PROPERTIES

This PVC membrane is intended for use as a roof waterproofing membrane for timber decks on modular buildings and similar applications. Additional product information including details of physical characteristics and application is available in the product technical literature.

10. STABILITY AND REACTIVITY
No known hazard.

11. TOXICOLOGICAL INFORMATION
No known hazard

12. ECOLOGICAL INFORMATION
No data available.

13. DISPOSAL CONSIDERATIONS
Dispose of waste material in accordance with national and local regulations.

14. TRANSPORT INFORMATION
Not classified for Road, Rail, Sea or Air Transport.

15. REGULATORY INFORMATION
Not classified as dangerous under the Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP 3).

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SUGGESTED MAINTENANCE SCHEDULE FOR PVC WATERPROOFING SYSTEMS

GENERALLY, WE WOULD RECOMMEND THAT A FLAT ROOF BE INSPECTED AT A MINIMUM FREQUENCY OF TWICE A YEAR – IDEALLY JUST BEFORE AND JUST AFTER WINTER.

INTERNALLY:

- Check visually for any signs of condensation, presence of moisture or leakage (e.g. wet patches, stains etc.)

EXTERNALLY:

- Check visually for any loosened flashings at perimeters and penetrations.
- Check exposed membrane for any signs of mechanical or chemical damage.
- Remove any unnecessary debris from the roof area (especially objects which could causedamage to the membrane).
- Remove any blockages to outlet gratings/drainage points/gutters (e.g. leaves, litter and sediment).
- Visually check exposed membrane laps for secure ness.
- Inspect rooflights and other penetrations for any damage (e.g. cracks to glazing, missing vent tops), which could result in leakage or condensation.
- Check exposed membrane for any stress damage (e.g. patent glazing, parapet walls etc).
- Keep records of your biannual inspections for future reference.

SPILLAGE:

PVC roofing membrane has excellent resistance to a wide range of chemical substances. It is, however, advisable to minimise spillage of even non hazardous chemicals in order to maintain the aesthetics of the roof, and avoid the accumulation of foreign objects/substances. In the event of spillage/contamination of any kind, please consult Interloc Technical Services for instructions/advice.

LOADING:

PVC Membrane is designed to withstand the levels of foot traffic associated with regular roof maintenance. If any point loads (such as ladders) are exerted on the roof, they should be spread using a flat protection board. Where loads may exceed these, please contact Interloc Technical Services for specific advice.

If it is found that remedial or maintenance work is thought necessary please contact the roofing contractor and/or Technical Manager for your area. Where the work has been warranted always check with Interloc Building Solutions that the proposed remedial work would not invalidate the warranty.

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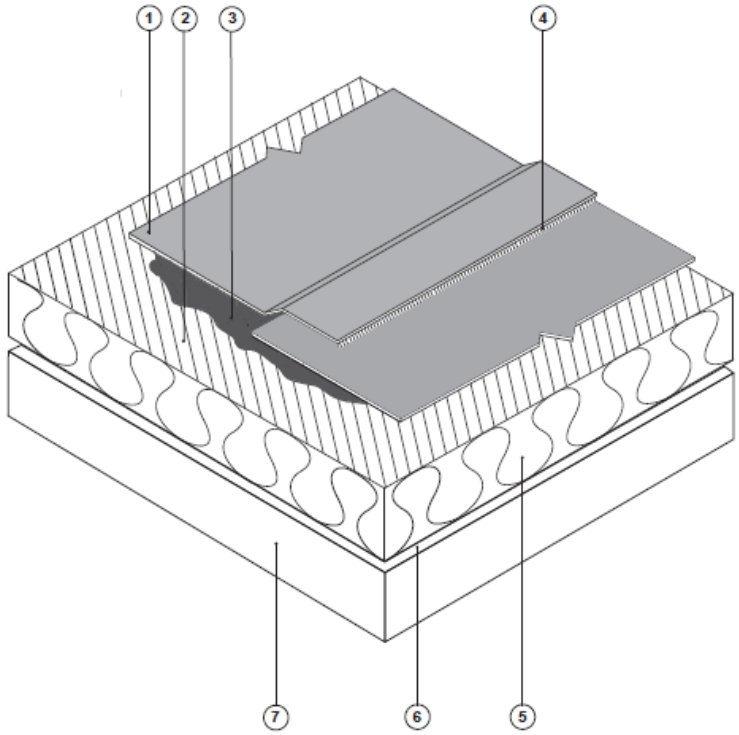
Fully Adhered for Refurbishment

PVC fleece backed membrane is extremely popular for use on refurbishment projects. This is
particularly true where an overlay can be carried out without interrupting the building occupiers. The
membranes are fully bitumen compatible therefore can be used to cover any old bitumen membranes
or Asphalt products without the need for a separating layer.



Key

1. PVC fleece backed membrane

2. Existing waterproofing. Cleaned & dressed to receive fully adhered overlay

3. Envirobond F200 fleece adhesive.

4. Hot air welded seam.

5. Existing Insulation.

6. Existing vapour barrier

7. Deck: metal, concrete or timber.

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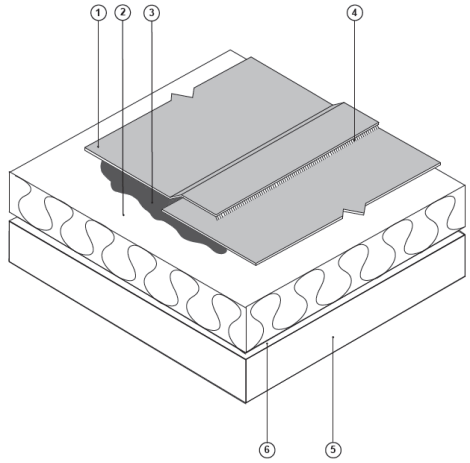
TECHNICAL SPECIFICATIONS

Fully Adhered for New Build

This system incorporates the PVC fleece backed membrane and is often used in situations where mechanical fixings would be difficult to install or may not even be possible. For example this may include roofs that have a concrete deck or a tapered insulation system



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Key

1. PVC fleece backed membrane

2. Insulation type GTF fully adhered or mechanically fastened.

3. Envirobond F200 fleece adhesive.

4. Hot air welded seam.

5. Deck: metal, concrete or timber.

6. Vapour control layer.

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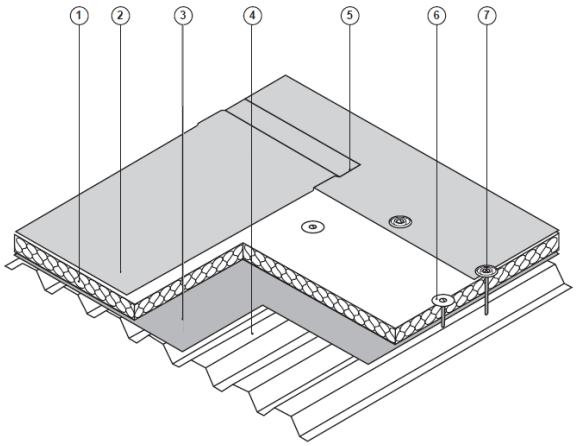
Mechanical Fastening

This method of installation is used extensively on new build projects mainly due to the high speed of installation, which enables the building to be enclosed within a short time period.

This type of system provides durability and longevity even under wind uplift conditions, providing a roof of exceptional strength and integrity.



Key

1. Insulation type FF mechanically fixed.

2. PVC single ply membrane by mechanical attachment.

3. Vapour control layer.

4. Metal deck.

5. Hot air welded seam.

6. Insulation fastener and seam plate

7. Fastener and barbed seam plate

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