

P e r m a n e n t f l a t r o o f [®]

the permanent flat roof
no joints, no overlaps, no welds, no leaks



www.seamlessroofing.co.uk

P e r m a d e c k ®



Permadeck is ideal for new roofs and refurbishments like these apartment blocks in Glasgow. No other system so permanently moulds every detail.

Welcome to Permadeck® - 2nd generation fibreglass waterproofing

First BBA approved in 1992, Permadeck has been continually developed to become the most durable and versatile GRP (Glassfibre Reinforced Polyester) roofing system on the market today. It has **BBA Certification 93/2967**.

Permadeck is a twin-resin system specifically developed for roofing. The resins are ultraviolet inhibited, fire retardant and resistant to both acid and alkali environments - ideal for use on buildings. The Base resin is the main waterproofing layer that bonds to the decking and the edge profiles. This base layer is highly mouldable and can be formed to any shape or around any detail to encapsulate the roof structure.

The Top coat resin is coloured on-site and gives additional UV and fire protection. **Permadeck is fire rated Ext FAA (British Standard 476:1958) for 'unrestricted use'.**

The more complicated the roof the more suited Permadeck is to the solution. As a roof encapsulation system Permadeck is supreme: parapets, rooflights, vents, pipes, internal gullies, hatches, water tanks can all be incorporated into the one seamless surface. Why specify a product with joints, overlaps, welds or glue when Permadeck is completely monolithic - just one piece from end-to-end and side-to-side? Visit our website for full technical information.

www.seamlessroofing.co.uk/architectural.html



- Seamless
- Mouldable
- BBA Certified

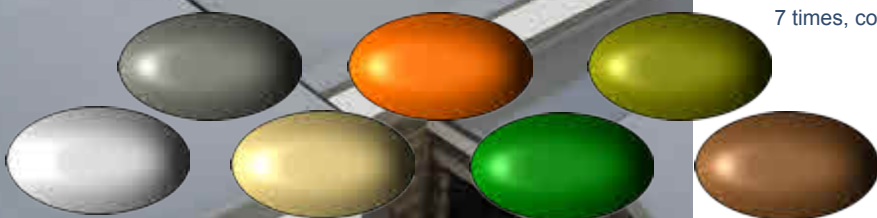
- Choice of 3 systems
- Any colour
- Withstands frost & sun
- Balcony surface
- Material & labour guarantees
- Fuss-free installation by trained specialists

Our website is full of pictures and information. Go to the [Home](#) menu for general information and the [Architectural](#) menu for technical support.

Permadeck 20 has been BBA certified since 1992. Each certificate lasts 3 years and Permadeck has now had its certification continuously renewed 7 times, confirming its outstanding performance and durability.

Permadeck colour guide

www.seamlessroofing.co.uk/colours.html



= seamless roofing

Compare the market! If you want something better than single ply, epdm or felt go to our Compare page:

www.seamlessroofing.co.uk/compare.html

The roofing market is probably the most confusing there is. To help you wade through the pros and cons of various systems check out our Compare page on the Seamless Roofing website. If you are considering a metal product like Zinc or Lead go to www.seamlessroofing.co.uk/lead.html

We also have videos showing how a Permadeck is installed as well as slide shows of some of the many thousands of Permadecks now keeping buildings dry. We appreciate that every roof is unique so we are happy to advise individually and free-of-charge how you will get the best results using Permadeck.

Designers & Architects

...love Permadeck because:

1. It's reliable - no come backs!
2. It's BBA certified & guaranteed
3. Permadeck lets them design ANY shape
4. No problems with Building Warrants
5. One-stop for all roofs & balconies
6. Moulds to all intrusions eg ideal for Velux
7. Specify ANY colour
8. Simulates lead for listed buildings
9. Free and fast advice service
10. Specify ANY U-value
11. Permeable, so no CRA* problems
12. Fire rated Ext FAA, so unrestricted
13. Life expectancy minimum 30 years
14. FREE technical helpline

*Condensation Risk Analysis



Builders & Joiners

...love Permadeck because:

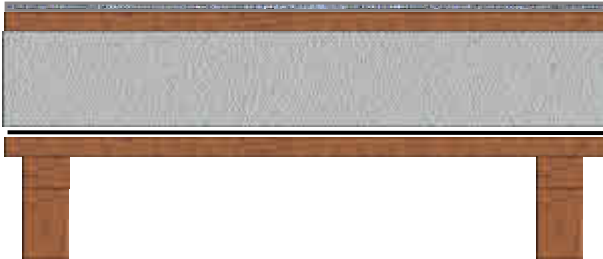
1. They never see the roof again
2. Prep work is very simple
3. Unique decking system speeds build
4. Permadeck solves all details easily
5. Permanent wall flashings
6. Fast response when structure ready
7. Fast & professional installation
8. Trade discounts for regular users
9. Free advice and design help
10. Happy customers
11. Happy Building Control
12. Guarantee supplied to builder for issuing
13. Helps win business by adding value to competitive tenders
14. FREE technical helpline



1. An Art Deco house; one of many now protected by Permadeck.
2. A sunken mansard design that is lightweight and doesn't require trusses.
3. Butterfly roof contrasts with the farmhouse
4. Double garage and workshop in a high exposure setting

Permadeck + Insulation

Highly insulated 'warm' roofs are now the norm and Permadeck is ideal for both above joist and within joist designs. So long as cold voids are avoided both designs are being accepted because insulation thicknesses are now so great the insulation has to go somewhere. Using Permadeck also makes it easy to limit the insulation to just over the habitable area and include secret gutters all seamlessly moulded. **Permadeck aids hermetic sealing and pressure testing.** Permadeck is a solid roof - the system is fully bonded to its own layer of plywood, which is fastened down through the insulation. The tough surface can readily cater for foot traffic, ladders, patio furniture etc.



Full details link:

www.seamlessroofing.co.uk/thermal.html



The ability to seamlessly mould every detail is just one of Permadeck's important advantages.

Just stand on a Permadeck with rooflights, internal gullies, soil pipes, vents and parapets all incorporated into the surface with no welds, overlaps or glued joints then it is obvious: **this roof is completely watertight.**

But there is more...

Permadeck is bonded to its own plywood deck, so to get a leak there would need to be a hole through both the Permadeck and the plywood. The advantage we ourselves appreciate is that water can lie on

Permadeck forever and have no effect, which is important as most flat roofs have water lying somewhere and many competitive systems eventually fail not just with sun or frost but water.



Three systems to choose:

Permadeck10

Permadeck20

Thermadeck



So how do you know which one to choose?

Permadeck10

Budget priced system with a life expectancy of 10 to 20 years. Ideal for garages, outhouses, stores etc. Gives you the seamless GRP roof you've always needed.

Permadeck20

BBA certified heavy duty version with a life expectancy of over 30 years for roofs and balconies. Also satisfies Building Warrant requirements for new construction. The nearest yet to the **permanent flat roof.**

Thermadeck

Upgrading an existing roof to the highest thermal standard and you 'never want to see the roof again'? Then Thermadeck is your choice. Each one is tailored to suit the building as there are various thicknesses and types of insulation we can use to suit your roof and maximise performance. For further details go to:

www.seamlessroofing.co.uk/thermadeck.html



Copies of the Permadeck 20 BBA Certification are available on request

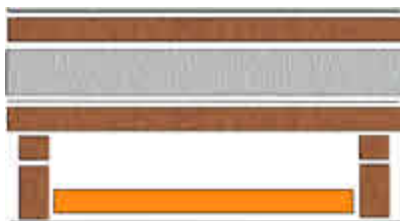
= Thermadeck®

Thermadeck can have U-values from 0.25 down to 0.12 – ideal for Part L calculations

Just specify the u-value and we'll do the rest...

Warm in the winter and cool in the summer a well insulated roof is probably the best way to reduce a building's carbon footprint. Because heat rises, the roof must stop heat loss as much as possible. The Thermadeck concept is ideal for upgrading existing flat roofs with poor insulation levels. So long as the existing roof is in reasonable condition it can be retained as if it was the lower level of a new 'warm roof' construction.

The world is full of flat roofs with little or no insulation between the joists but they are an excellent base for a modern 'warm roof' to be installed. Once the roof has been checked over and any necessary repairs carried out the existing deck and membrane are easily upgraded to become a highly insulated solid Thermadeck that can also withstand foot traffic - an ideal balcony conversion.



With new fascias and wall flashings the whole upgrade can bring the building up to or beyond the latest Building Regulations.



Simple flat roofs

90% of our work is simple flat and low-pitched roofing. With a BBA specified life expectancy of at least 30 years, these roofs are truly permanent and maintenance free.

We offer three systems: Permadeck10, Permadeck 20 & Thermadeck.

Special projects

Over the years we have been asked to solve some unlikely problems. We have re-lined baptismal tanks, sealed ponds, created roof gardens and made listed houses and castles watertight.

Lead, zinc & copper reproduction

Permadeck has become a popular replacement as a simulated metal roof. Colour matching, seamless, mouldable, no theft value, no CRA (condensation) problems and significant cost benefits.



Permadeck® for balconies



Permadeck is BBA certified for balconies and walkways



Like the deck of a boat, Permadeck can be walked on, jumped on, or you can even have a party on it!

With a special additive embedded in the surface resin, Permadeck's balcony finish is very hard wearing and durable. Full details of this excellent balcony product at:

www.seamlessroofing.co.uk/balconies.html

Advice on balcony railings:

www.seamlessroofing.co.uk/railingpads.html

www.seamlessroofing.co.uk/architectural.html

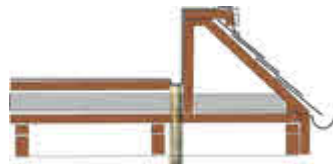
Our website is full of design information inc thermal calculations and condensation risk analysis but if there's a special detail you need just email us at: info@seamlessroofing.co.uk

Refurbs:



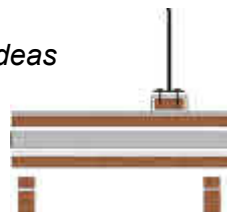
: new-builds

Mansards:



: your own ideas

Balconies, rooflights, vents etc:



W e t d e c k TM

What is the most cost-effective way of giving a house the WOW factor?

Probably a wetroom.

Turning a bathroom into a wetroom is easy with Permadeck, check out the section on our website:

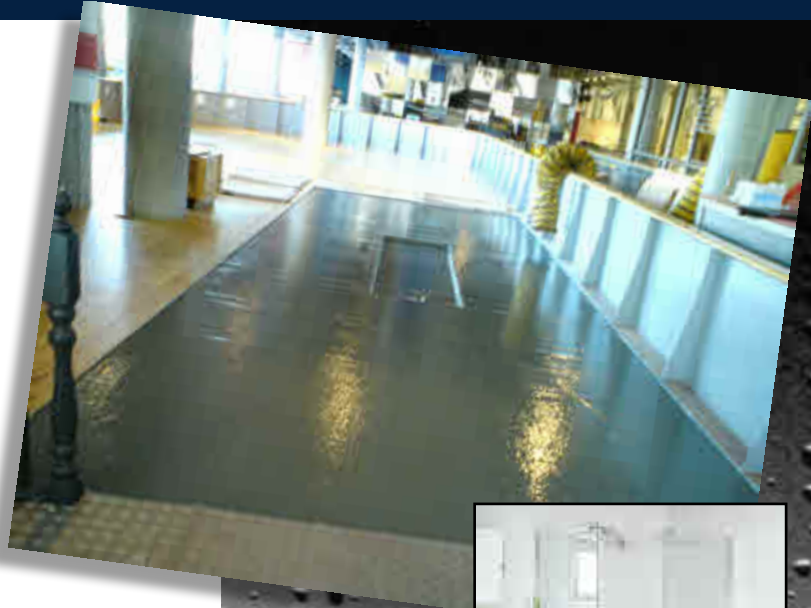
www.seamlessroofing.co.uk/wetroom.html

All pipes and drains should be in place so that the whole floor can be encapsulated and the system taken sufficiently up walls and intrusions.

The floor and walls can then be tiled and the suite installed. Showers can be part of the room or closed off as required. The whole effect increases the the feeling of space especially if used with wall hung units, freestanding baths and no shower tray. Permadeck was specified on one of Channel 4's Grand Designs enabling an en suite that was part of a stunning open plan private area on the first floor overlooking a lake.

And Glasgow's Science Centre specified Permadeck for their largest ever exhibit, a large water-feature play area with offices below.

The rule for wetrooms: 'tiles aren't watertight, Permadeck is'.



L i v i n g R o o f s

Living or Green roofs need a waterproof roof that will be as reliable as possible. Permadeck has one of the longest durability ratings with a life expectancy in excess of 30 years. Secondly the surface must be tough enough to withstand all possible impact and penetration forces - as a BBA certified walkable surface Permadeck is unequalled.

Next, you need a system that is happy with ponding because if you're going to permanently cover a roof in sedum then you're committing that roof to be wet - forever. Permadeck uses

two specially formulated polyester resins and www.seamlessroofing.co.uk/greenroof.html

polyester resins are used to build boats and water tanks, that need to stay wet.

You also need a system that will aid your design. Permadeck can be moulded into any shape, it can have ridges, valleys, mounting blocks, internal gutters, whatever you need for your Green Roof project. You may require railings around the edge so that the roof can be maintained safely. Permadeck can have anything laid on it, including gravel, filtration beds, timber, netting and, of course, sedum, moss or grasses.



Z e r o C a r b o n

Living roofs may be the talk-of-the-town but Zero Carbon could become even more important. Able to take foot traffic and to have **bearers moulded onto the surface**, Permadeck is ideal for micro-generation systems.

www.seamlessroofing.co.uk/zerocarbon.html



Permadeck®



Contact link:

www.seamlessroofing.co.uk/contact.html

0845 479 5352

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