



## Garland High Performance Built-Up Roofing



since 1895



The Garland Company is a business steeped in the history and traditions of a worldwide waterproofing industry. Client care is a phrase used repeatedly throughout this profile. This is no coincidence as it continually defines the philosophy and strategy of the Garland Company in the UK and internationally.

## The Garland Company



Founded by J.B. Wise in 1895, as a supplier of refining products, The Garland Company has developed from a local manufacturer and distributor of oils, greases and paints into one of the industry's worldwide leaders of high performance roofing and building maintenance systems, specialising in the architectural, local authority, commercial and industrial markets.

By listening and remaining dedicated to its clients needs, The Garland Company has succeeded by providing innovative solutions in a demanding and ever changing market. Its range of membranes, standing seam systems, liquid coatings, and flooring solutions have gained worldwide recognition for their quality and longevity.

The Garland Company has completed many projects throughout the UK. From industrial complexes, through local authority educational and social housing contracts and commercial buildings.

Whatever the need, The Garland Company has provided the solution.

Garland's network of Regional Technical Managers backed up by an in-house design team based in Gloucester are servicing clients throughout the UK with the same vision, enterprise and integrity demonstrated by J.B. Wise back in 1895. Technical expertise and second to none client care remains the driving force behind a strategy of serving clients with an unwavering commitment to quality and a single-minded responsiveness to individual requirements.

A presence in three centuries of waterproofing development makes The Garland Company a natural choice of business partner for UK clients, specifiers and contractors alike.



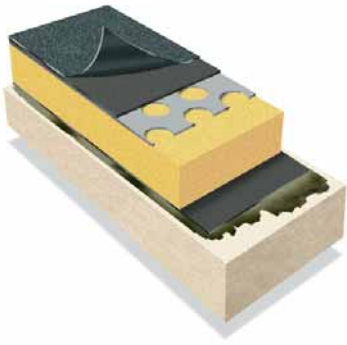
*The Garland Company offers a truly nationwide service. To talk to your nearest Regional Technical Manager or to find out more information please contact us on:*

Telephone: 01452 330 646 or 0800 3285560

Fax: 01452 330 657

Email: [info@garlandukltd.co.uk](mailto:info@garlandukltd.co.uk)

[www.garlandukltd.co.uk](http://www.garlandukltd.co.uk)



## Pour and Roll Systems

### StressPly® Fusion

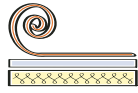
Our extensive range of Pour and Roll cap sheets, allows us to specify bespoke systems to meet any budgetary or performance standard. By combining SBS and SIS modifiers we are able to extend the compounds thermal shock resistance, elongation properties, and low temperature flexibility, for added years of service.

### Garland Polyester Plus

A high strength SBS polymer modified roofing membrane, using a unique spun-bonded, non-woven mat composed of polyester continuous filament fibres. Used as an underlay reinforcement layer in Garland's Pour and Roll Systems. Versatile in use, it can be used with other HPR products as a nailable base sheet or sanded preparation layer.

### Garla Vent PR

With all the characteristics you would expect from a Garland product Garla Vent PR has a single sided mineral layer and allows for the venting of pressurised gases (trapped moisture) beneath the roofing membrane.



# The Garland Systems

A choice of pour and roll applied products are available alongside the torch-on range. Hot bitumen adhesion offers an alternative application method of waterproofing in areas where naked flame is unsuitable. Your Garland Regional Technical Manager will be able to recommend the best possible system and supply you with all the technical information you may need.

### Garla Therm

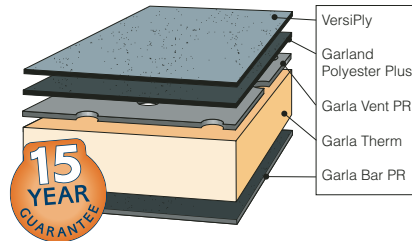
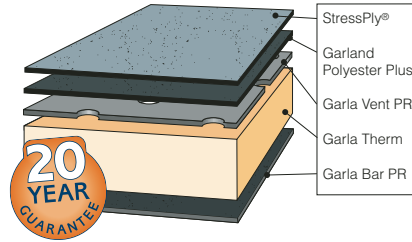
With the ever increasing demands placed upon the building owner from an economical and performance perspective, Garland realise the insulation used in your chosen high performance system is a critical decision during the specification design process. With that in mind Garla Therm is formulated without the use of CFC's / HCFC's and has zero ozone depletion potential. Garla Therm can be mechanically fixed or fully bonded depending upon specification requirements.

### Garla Bar PR

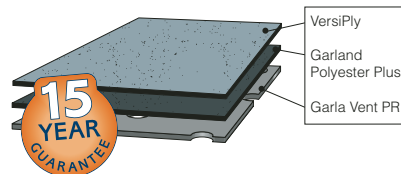
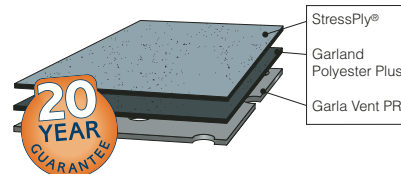
Your Garland Regional Technical Manager will produce specifications and offer solutions specific to each project. No two roofs are the same and no two applications are the same. At Garland, we believe there has to be a choice of vapour control layers available to the specifier to offer bespoke solutions when required.



## Pour and Roll Systems (Warm)

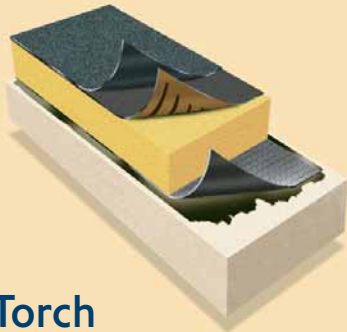


## Pour and Roll Systems (Cold)



# The Garland Systems

The increased structural and thermal movement in today's buildings demand that waterproofing systems are highly resistant. This high toleration has been technically developed within The Garland Company's products. Garland integrated systems possess the necessary reinforcing to provide long-term durability combined with SBS (Styrene Butadiene Styrene) modified bitumen giving the high levels of elasticity necessary to cope with movement in both hot and cold climatic conditions.



## Torch Applied Systems

### StressPly® TA

Our extensive range of torch applied cap sheets allows us to specify bespoke systems to meet any budgetary or performance standard. Garland's unique StressPly® technology provides critical margins of difference in comparison with generic modified bitumen products. The Garland difference starts with select raw materials. All StressPly® products use a significantly greater proportion of high quality polymer content (up to 22%) for superior low temperature flexibility.

### Torch Flex

To compliment our extensive StressPly® range Garland offers a choice of torch-applied base sheets to choose from. We believe that one product does not suit every application and it's this rationale that drives us to design and manufacture what we think could possibly be the most comprehensive choice available today. All Torch Flex base sheets are manufactured to the highest specifications using advanced manufacturing methods.

### Garla Vent TA

Garland's HPR vented base sheet is a heavy duty fibreglass mat, the membrane is then perforated with holes that allow bleed out from the HPR torch base sheet to create a bond to the substrate. This application provides a consistent, uniform spot attachment of the membrane and also provides for venting of pressurised gases (trapped moisture) beneath the roofing membrane that might cause blisters and reduce the life of the roof system.

### Garla Therm

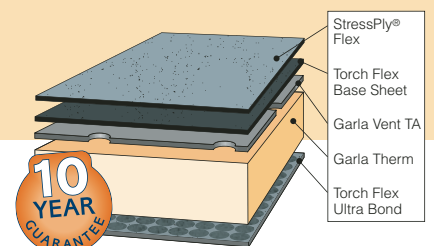
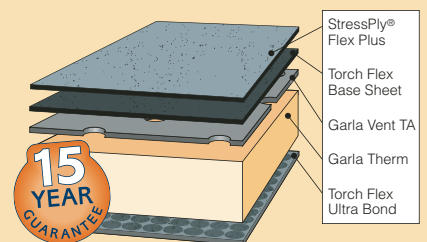
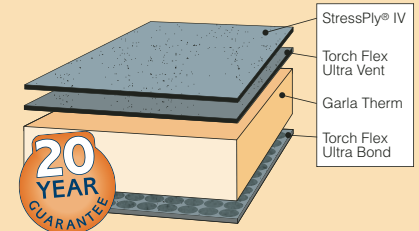
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### Torch Flex Ultra Bond

Designed to solve the problem where insulation boards must be bonded to the vapour barrier. Torch Flex Ultra Bond features thermoplastic adhesive indentations to the top face of the membrane which melt quickly when torched forming a strong bond.

No installation time is wasted waiting for cold bond adhesives to set or risk of burns when using traditional molten bitumen along with a significant reduction in waste and pollution.

## Torch Applied Systems (Warm)

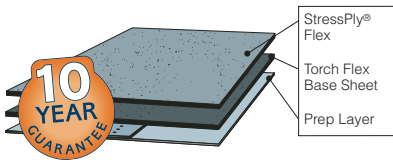
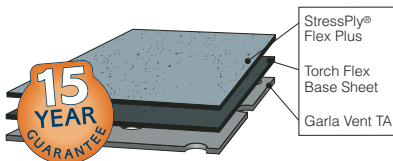
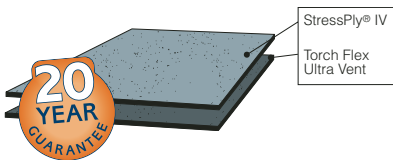


The Garland family of modified bitumen roofing systems includes products to meet a wide range of installation, cost and performance requirements. Your Garland representative can help you choose the best solution for your application, to perform longer than competitive products whose specifications meet, rather than exceed, industry requirements.

The demand for high quality waterproofing systems has never been greater. As with all Garland systems the torch applied systems have been tested to ensure superior resistance to structural and thermal movement.

Suitable for both new build construction and refurbishment the Garland systems are developed for flat and low slope roofing situations.

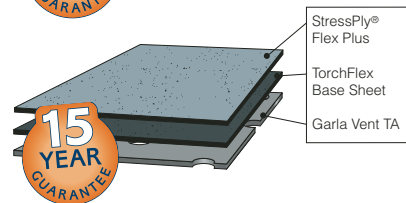
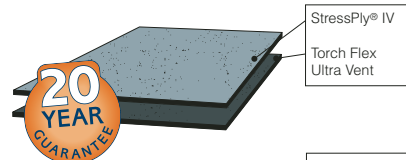
## Torch Applied Systems (Cold)



Overlay systems have a practical advantage where ongoing maintenance is required. There are also occasions where the client cannot risk exposure of the building to the outside elements.

Where the budget does not allow for complete replacement of the existing roofing system, The Garland Company provide specifications for single or multi-layer insulated overlay solutions. Both systems offer a superior solution to ensure the building is waterproof and stays that way for many years.

## Overlay Systems (Cold)



## Deck Types and Preparations

Deck Types	Preparation
Plywood & OSB 3	Clean & install preparation layer of Garland 180 oxidised
Close Boarding	Clean & install preparation layer of Garland 180 oxidised
Concrete/Screed	Clean - Garland quick dry primer
Woodwool Slab (unscreeded)	Screw fix 6 mm plywood to reinforced metal channels or wooden joists
Woodwool Slab (screeded)	Clean - prime with Garland quick dry primer
Metal Deck	Clean - prime crowns with Garland quick dry primer
Chipboard	Remove deck & replace with high quality 19 mm plywood
Stramit	Remove deck & replace with high quality 19 mm plywood
Overlay Preparations	
Built up Felt Roofing	Split, heat & re-seal any blisters, clean & apply Garland quick quick dry primer
Asphalt	Heat & re-seal any blisters, clean & apply Garland quick dry primer





Whilst working with Garland, you can count on the most effective and efficient use of your financial budget as well as the highest quality of service and products. By using the complimentary services available every Garland client is promised quality, satisfaction, and the best resolution to ensure the longevity of your roof, building envelope and interior.

## Technical Services



Equally at home in new-build or refurbishment situations, your Garland representative can help you better manage your investment by providing you with reports, photographs and drawings in our customised web access programme RAMP® (Roof Asset Management Program). These services are



available on a one off project basis or as an annual service to update the condition of your complete roofing portfolio.

Not all roofs are the same. Therefore based on a thorough inspection of your existing roof, we will provide you with recommendations for your project, including budgets. These recommendations might involve; specifications to repair and/or refurbish selected areas, the requirements for preventative maintenance or when necessary, total replacement specifications. Working alongside you, we will ensure that your project specification contains all the appropriate information to meet all relevant codes and practises before going out to tender.

Information pertaining to our approved contractor network is on the facing page but after selecting your contractor, we will regularly provide quality control inspections and written progress reports for both you and the contractor.



On completion of the project, your Garland Regional Technical Manager will inspect the roof with you and examine all the details ensuring that the project has been carried out to your satisfaction and meets the strict criteria of Garland's subsequent guarantee.

When you choose Garland for your roofing project you can count on the highest quality of service and products.

By using one or all of these ten services - You are promised quality, satisfaction and the best solution to ensure the long-term performance of your roof and building assets.

### Garland Steps to Success

1. Visual inspection & survey.
2. Analytical testing.
3. Detailed electronic documentation.
4. Thorough written assessment of recommendations.
5. Assistance with construction documents, including customised details and specifications.
6. Recommendation of a Garland approved contractor.
7. Project management.
8. Quality control monitoring, during and after the project.
9. Issue of long-term performance guarantee.
10. Planned preventive maintenance programme, including regular inspections.

# Garland Approved Contractors

To achieve long-term performance from any built-up roofing system it is vital that strict criteria is adhered to at the installation stage. Garland will only recommend contracting companies whose attitudes towards site performance and client care are in line with the same high principles as their own.



**APPROVED CONTRACTOR**

The quality of your planning and specification demands the services of a like minded contracting organisation. The Garland Company will provide you with a list of approved partnered companies who have met the criteria set down in our stringent approval process.

We strive to partner with company's possessing only the highest standards of workmanship at this critical stage of your project. We insist on competent pricing, proficient site practice and effective contract management from all our approved contractors.

But assigning a contractor is not the end of our involvement in the project. Your Garland Regional Technical Manager will monitor the performance of the contractor over the course of the project and ensure that all works are being carried out, in line with the specification, to codes of practise and that they also meet all aesthetic considerations.

Once work is completed a thorough inspection of the project will ensure that the contractor has met all the considerations laid down in the original specification and that all works are completed to the full satisfaction of The Garland Company and the specifying client.

The workmanship of our approved contractor network is approved and guaranteed against failure under the terms and conditions of the subsequent Garland guarantee.



## The Garland Guarantee

All Garland high performance roofing systems come with the commitment of a long-term guarantee so your building stays dry and leak free. Garland stands behind that commitment, knowing that each application comprises of a uniquely engineered roofing system that was installed by a highly proficient Garland Approved Contractor.

Depending upon product and criteria, guarantees of up to a thirty year duration are available to our UK clients. Your Garland Regional Technical Manager will discuss your guarantee requirements and provide a proposal based on system choice and duration available. Full details of guarantees and criteria are available on request.

Clients can take comfort from the guarantee being issued following stringent inspections that ensure all criteria have been met.

Garland are confident that owing to the provision of a complete roofing service that is second to none in the UK roofing industry your guarantee certificate will stay in the project file for the duration of the roofs long and unblemished life. It is reassuring however to know that a guarantee of integrity is in place should it be required.

Along with Garland long-term guarantees specifying clients can take comfort from the existence of British Board of Agreement (BBA) accreditation and the FM approval certification for certain products in the Garland range of systems.





since 1895

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