



RAPIDROOF RANGE

COLD APPLIED PMMA LIQUID SYSTEM





RAPID CURE TIME



RapidRoof is LRS' unique PMMA, high performance, rapid curing, cold liquid applied range of waterproofing systems. With a typical curing time of 20 minutes our Rapid Range of products are suitable for year round application. Applied by brush or roller, RapidRoof is one of the fastest and most cost effective waterproofing options for both commercial and residential projects.

With over 200% elasticity RapidRoof is tough, yet flexible enough to deal with most roof movement, unlike rigid systems. The RapidRoof range comes with our manufacturers product guarantee of up to 20 years, is UV stable and typically cures within 20 minutes.

RapidRoof is ideal for domestic projects or small industrial roofs and is available with an Anti-Skid finish for designated walkways, balconies or as a standalone waterproofing system, in grey as standard or black if required (please call for other colour requirements, subject to minimum orders).

RapidRoof is a 2-component system which is simple to apply and due to its liquid application and versatility to adhere to most surfaces, RapidRoof will self terminate, in most cases eliminating the requirement for flashings, new trims and expensive detailing.

Cold weather application - designed to cure down to 0°C RapidRoof allows application even during the coldest of weather.



RapidRoof Pro is our highest specification flat roofing product which has all the same benefits provided by standard RapidRoof but by incorporating a reinforcement matting provides extended guarantees of up to 20 years.

Available exclusively to LRS approved contractors, RapidRoof Pro is backed by a BDA and is NHBC accepted. Making it ideal for new build construction when speed of application and curing times are important.

With over 200% elasticity RapidRoof Pro is tough, yet flexible enough to deal with most roof movement, unlike rigid systems. This system comes with our manufacture's product guarantee of up to 20 years. It's UV stable and typically cures within 20 minutes.

RapidRoof Pro is ideal for domestic flat roofing projects or small industrial roofs and is available with an Anti-Skid finish for designated walkways, balconies or as a standalone waterproofing system.

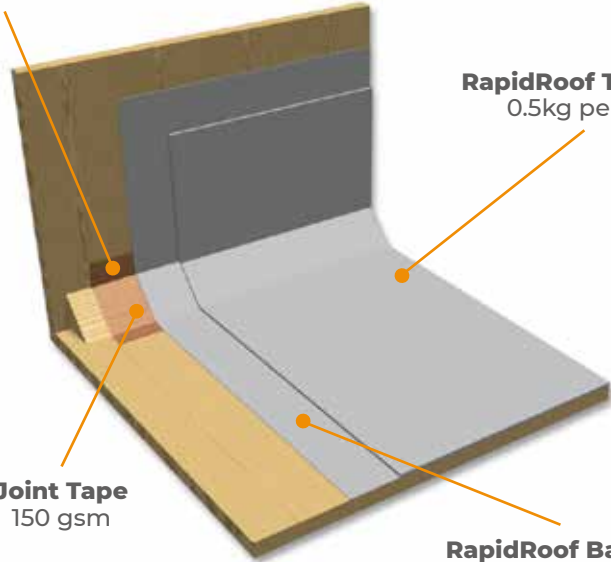
Suitable for application on to: OSB3 roofing boards, mineral felt, asphalt, concrete, metal, fibre glass and compatible with standard GRP trims.





TYPICAL RAPIDROOF BUILD-UP

RapidRoof Primer
0.3kg per m²



RapidRoof TopCoat
0.5kg per m²

Joint Tape
150 gsm

RapidRoof BaseCoat
1kg per m²

*Full prime required on some surfaces

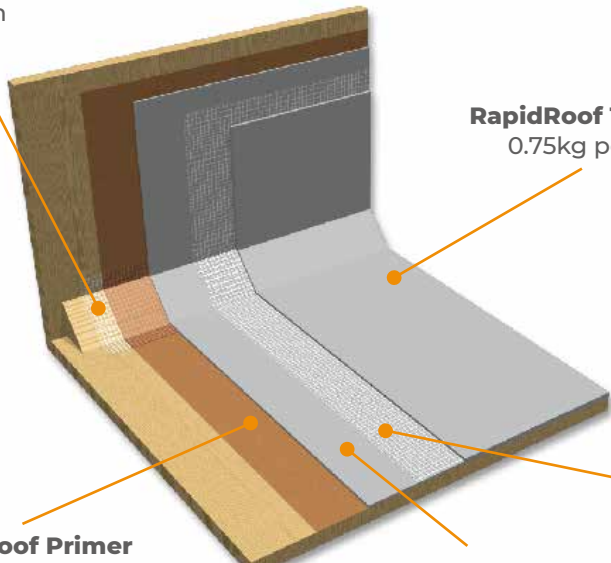


**CURES DOWN
TO 0°C**



TYPICAL RAPIDROOF PRO BUILD-UP

Joint Tape
150 gsm



RapidRoof TopCoat
0.75kg per m²

**Reinforcement
Matting**
150 gsm

RapidRoof Primer
0.3kg per m²

RapidRoof BaseCoat
1.25kg per m²

*Primer required on all surfaces





Based on our RapidRoof formulation, RapidGutter is a fast curing, cold liquid applied PMMA. Tough and durable enough to deal with high risk leak areas such as gutter coatings.

With a typical curing time of 20 minutes our rapid range of products are suitable for year round application. Applied by brush or roller, RapidGutter is one of the fastest and most cost effective waterproofing solutions. Suitable for both commercial and residential projects, ideal for high risk leak areas and gutter coatings.

With over 200% elasticity RapidGutter is tough, yet flexible enough to deal with most roof movement, unlike rigid systems. RapidGutter is designed to be applied directly onto most surfaces without the need for primer.

With continued exposure to flowing and standing water, gutters are one of the biggest causes of failed roof systems. Given that RapidGutter is cold liquid applied, it provides a flexible solution to all gutter shapes and sizes.

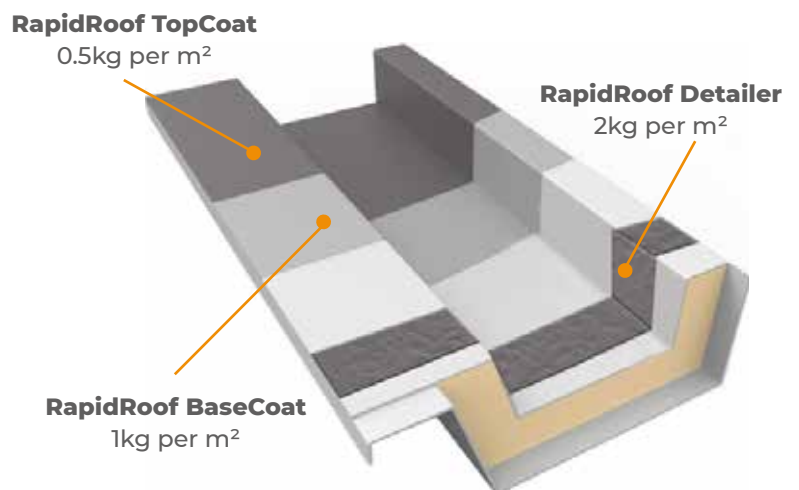
RapidGutter is a 2-component simple to apply system due to its liquid application and versatility to adhere to most surfaces.

Cold weather application – designed to cure down to 0°C RapidGutter allows application even during the coldest of weather.

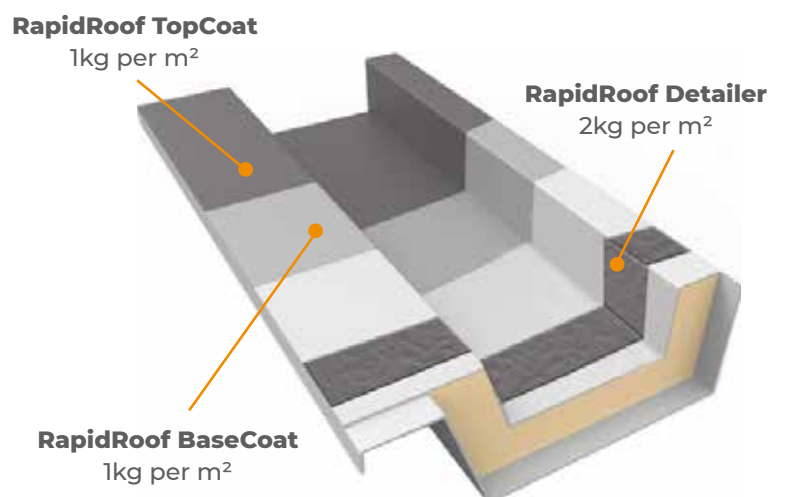
3kg = 10 joints at 1m x 0.15m



TYPICAL 10 YEAR RAPIDGUTTER BUILD-UP



TYPICAL 15 YEAR RAPIDGUTTER PRO BUILD-UP





RapidDeck is LRS' unique, high performance rapid curing, cold liquid applied PMMA traffic coat. Designed specifically to coat areas with high volume foot, RapidDeck is tough and robust yet flexible.

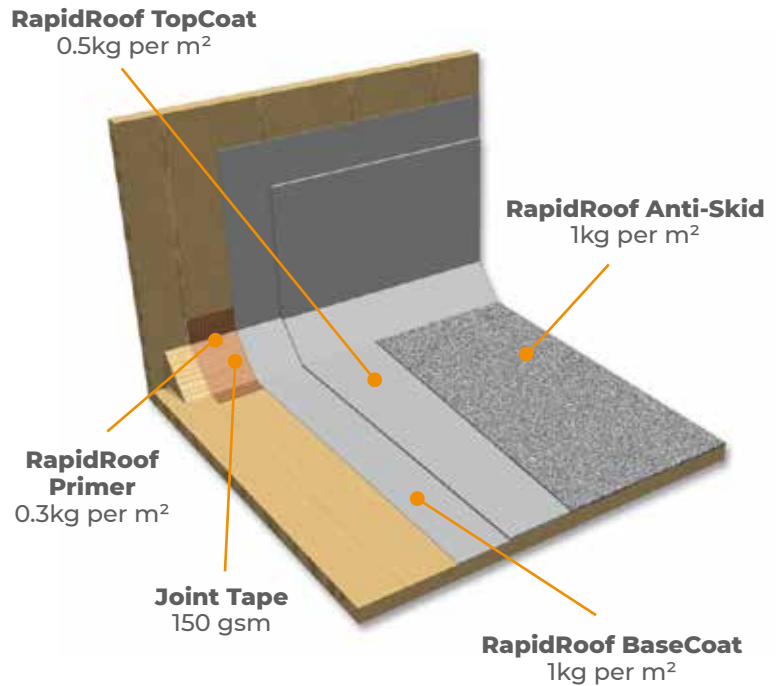
RapidDeck is designed to be durable enough to withstand both heavy traffic and exposed conditions.

Premixed with an anti-skid aggregate, RapidDeck provides all the features of RapidRoof with the added benefits of an exceptionally hard wearing topcoat designed to protect the substrate whilst simultaneously reducing the risk of skidding. With a variety of finishes available this range includes protection for all types of trafficked surfaces including footpaths, car parks, ramps, balconies, terraces and factory floors.

A rapid curing flooring solution for both domestic and commercial applications, designed for the toughest environments RapidDeck is guaranteed for up to 20 years.



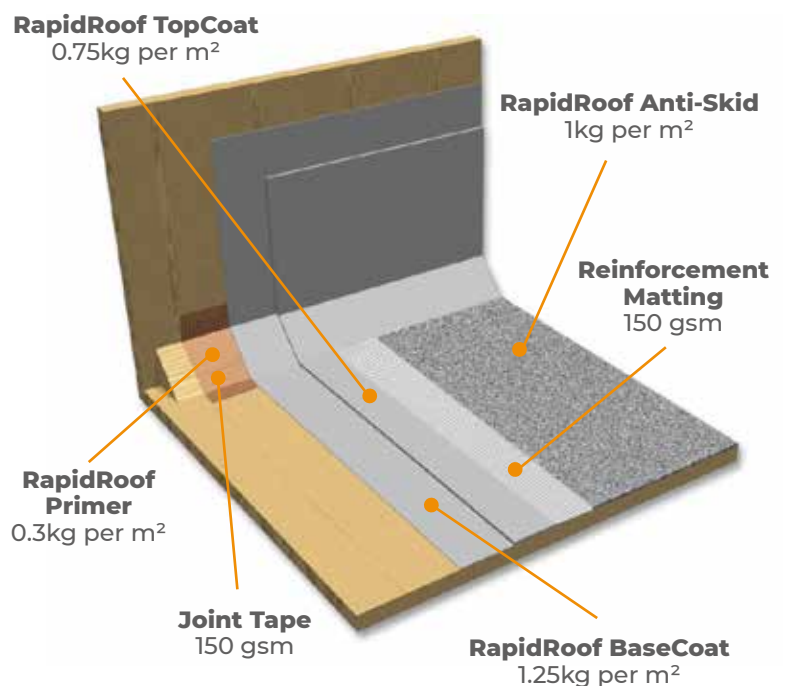
TYPICAL 10 YEAR RAPIDDECK BUILD-UP



*Full prime required on some surfaces



TYPICAL 15 YEAR RAPIDDECK PRO BUILD-UP



*Primer required on all surfaces

REPAIR SYSTEMS



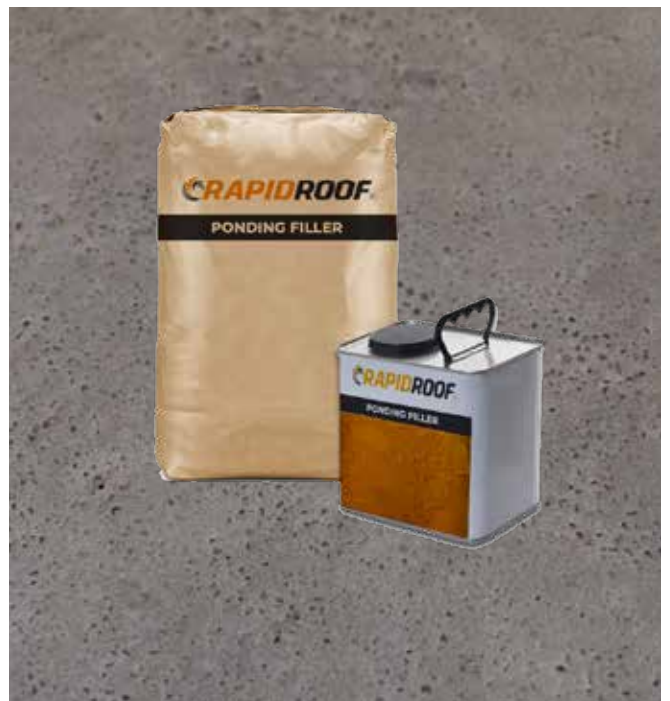
RapidRoof Crack and Joint Filler is a three-component resin mortar, designed for rapid and permanent repairs.

Crack and Joint Filler is the fast curing, high strength, trowel applied part of the RapidRoof system which delivers excellent adhesion, good chemical resistance, and fast curing properties, even at low temperatures.



RapidRoof Ponding Filler is a two-component resin mortar, designed for rapid and permanent repairs.

Ponding Filler is a high strength, fast curing, impact and abrasion resistant part of the RapidRoof system and has excellent mechanical properties, good chemical resistance and frost resistance which is impervious to water. Used to fill ponded area by pouring onto the primed floor and trowel finished.



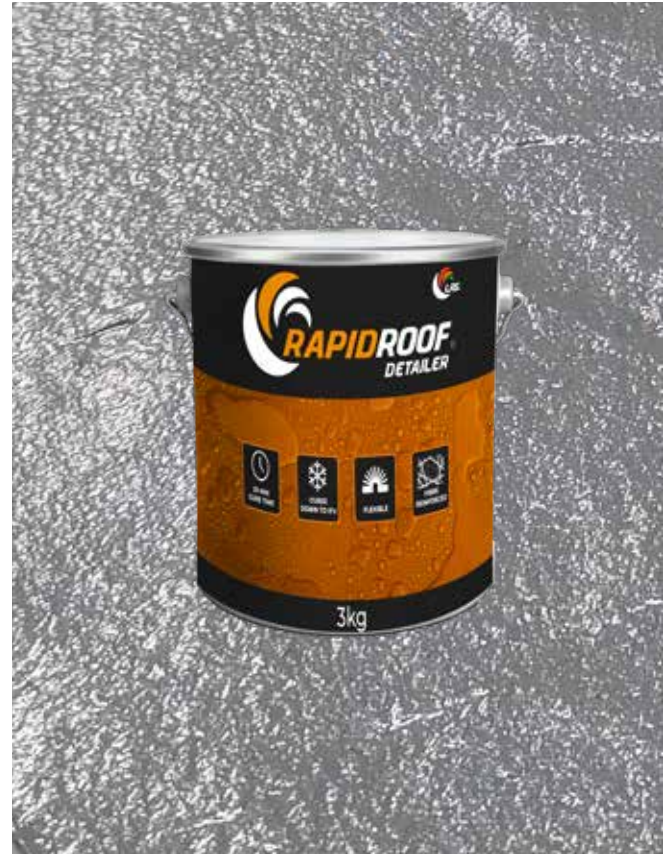


As part of the RapidRoof product range, Rapid Detailer is designed to provide waterproofing cover for upstands, pipes and hard to reach detailed areas that are difficult to reinforce.

RapidRoof Detailer benefits from the same great features of RapidRoof including its cure time, durability, and flexibility, with the additional benefit that it contains premixed fibres which provides additional strength and allows for secure detailing of difficult areas.

RapidRoof Detailer can be applied in a single coat and is suitable for application onto most surfaces with exceptional adhesion properties. With over 200% elasticity, full flexibility, high tensile strength, and UV stable RapidRoof Detailer provides a long-term waterproofing which will not crack or become brittle over time.

Simple to apply and robust enough to deal with most roof detailing, RapidRoof Detailer is the ideal product to help with difficult roofs.



The 20 minute cure emergency repair. As part of the RapidRoof range, this product is specifically designed to provide an emergency solution for leaking roofs, gutters and other surfaces which have suffered damage or present a risk of leaking.

RapidRepair offers all the same great features of the unique RapidRoof formula with the addition of premix fibres, providing greater strength and bridging properties allowing a faster and more effective application to acute areas of damage requiring repair.

As part of the RapidRoof family of products, RapidRepair can be applied in a single coat and is suitable for application onto most surfaces with exceptional adhesion properties. With over 200% elasticity, full flexibility, high tensile strength and UV stable, RapidRepair provides a long-term repair which will not crack or become brittle over time.

Simple to apply and robust enough to deal with most roof repairs, RapidRepair is the ideal product to keep on hand.



TECHNICAL DATA SHEET



USES:

RapidRoof is designed so that it can be applied directly onto most surfaces without the need for primer. This means that it can be incorporated into the building of a new roof; applied onto OSB3 boards.

Alternatively used to overcoat existing old or failed membranes including; felt, asphalt, metal, GRP etc, eliminating the need for stripping the roof and disturbing the substrate, saving time and money whilst limiting disruption on site.

MIXING THE CATALYST:

It is advised that all products are mixed using a paddle mixer where available, or with similar apparatus. Ensure all products are mixed thoroughly to ensure even curing.

Typically, 1 minute of mixing is sufficient. All products within the RapidRoof range are two-part, base product and catalyst. Once catalyzed (catalyst mixed into the base product) you will have up to 20 minutes in which to apply the product to the required area or application.

It is advised to always decant only the amount of product that can be applied within 10 minutes to avoid unnecessary wastage and avoid shortage of product. When applying the product, it is advisable to pour directly onto the surface to avoid any accelerated curing that can occur from excess heat generated within the tin by the catalysing process.

CATALYST RATIO:

Equates to 2% of the main product, 20g of catalyst to every 1kg of product.

| PRODUCT VOLUME | CATALYST |
|----------------|----------|
| 1kg | 20g |
| 5kg | 100g |
| 10kg | 200g |

| PHYSICAL PROPERTIES & SPECIFICATIONS | |
|--------------------------------------|------------------------|
| Colour: | Grey or Black |
| Ral: | 7031 |
| Flash point: | 10°C |
| Ignition temp: | 275°C |
| Elongation: | 200% |
| Cure time: | Approx. 20 mins |
| Surface temp: | 0°C - 40°C |
| Vapor pressure at 20°C: | 38.7 hPa |
| Density at 20°C: | 1.6g / cm ³ |

BENEFITS



Circa 20 Minute Cure



Cures down to 0°C



Fully Flexible



Tough



Seamless





Fully Bonded

TECHNICAL STATISTICS

| | |
|--------------------------|--------------------------------|
| Dry film thickness: | 1.5mm - 2mm |
| Application rate: | 1.5kg / 2kg per m ² |
| Cure time: | 20 minutes |
| Fire test: | AC |
| Application temperature: | 0°C - 40°C |
| Specific gravity: | 1.65g / cm ³ |
| Load Strength: | 150N |
| Elongation: | 200% |

SUITABLE SURFACES (Detailing Primer required)

| |  |  |
|-------------------|---|---|
| Concrete | Fully prime ✓ | Fully prime ✓ |
| Old Felt | Prime joints ✓ | Fully prime ✓ |
| Asphalt | Prime joints ✓ | Fully prime ✓ |
| OSB3 | Prime joints ✓ | Fully prime ✓ |
| Metal | Prime joints ✓ | Fully prime ✓ |
| Fibre Glass / GRP | Prime joints ✓ | Fully prime ✓ |
| Single Ply | Fully prime ✓ | Fully prime ✓ |

PRODUCT RANGE TABLE

| PRODUCT | SIZE | CODE | COLOUR |
|----------------------------|------------------|-------------|--------------|
| Detailing Primer | 1.5kg | RRGP1.5 | Clear |
| Detailing Primer | 3kg | RRGP3 | Clear |
| Detailing Primer | 5kg | RRGP5 | Clear |
| Waterproof | 5kg | RRWP5 | Black & Grey |
| Waterproof | 7.5kg | RRWP7.5 | Black & Grey |
| Waterproof | 10kg | RRWP10 | Black & Grey |
| Anti-Skid | 5kg | RRAS5 | Black & Grey |
| Anti-Skid | 10kg | RRAS10 | Black & Grey |
| Joint Tape | 100mm x 25m | RRWJT100 | White |
| Chopped Strand Matting | 1m x 180lm | RRCSM1 | White |
| Waterproof Kit | 5m ² | RRWPKIT5 | Black & Grey |
| Waterproof Kit | 10m ² | RRWPKIT10 | Black & Grey |
| Waterproof Kit | 20m ² | RRWPKIT20 | Black & Grey |
| Anti-Skid Kit | 5m ² | RRASKIT5 | Black & Grey |
| Anti-Skid Kit | 10m ² | RRASKIT10 | Black & Grey |
| Anti-Skid Kit | 20m ² | RRASKIT20 | Black & Grey |
| Waterproof & Anti-Skid Kit | 5m ² | RRWPASKIT5 | Black & Grey |
| Waterproof & Anti-Skid Kit | 10m ² | RRWPASKIT10 | Black & Grey |
| Waterproof & Anti-Skid Kit | 20m ² | RRWPASKIT20 | Black & Grey |
| Ponding Filler Kit | 17kg | RRPF17 | Grey |
| Crack & Joint Filler | 10kg | RRCJF10 | White |
| Catalyst | 200g | RRC10 | White |
| RapidRoof Pro Detailer | 3kg | RRPRO3 | Grey |

Note: The information contained in this sheet is accurate to the best of our current knowledge. The products are of the highest quality and standard with regard to production tolerances. This product shall be applied strictly in accordance with the manufacturer's instructions. For specific advice regarding any aspect of our systems please consult our technical team.

TRAINING

BECOME AN LRS APPROVED CONTRACTOR

As a member of LRWA and accepted by the NFRC, we are passionate about waterproofing standards and ensuring contractors are fully trained on our systems so that projects are completed quickly and effectively.

Whilst our systems are designed to be comprehensive to apply and do not require application by an approved contractor, in order to get the best performance and benefit from extended guarantees we offer approved contractor status on all our systems.

APPROVED CONTRACTOR STATUS

LRS run approved contractor training schemes on all our systems. We also offer contractors full support and a preferred contractor list to building owners.

As an approved contractor you will receive exclusive access to our Pro systems across all our ranges including RapidRoof Pro, RapidGutter Pro, RapidDeck Pro, FastCoat Pro and Elasto-Kote Pro. These are the third-party accredited systems which offer BBA, BDA, FM and NHBC accepted applications for New Build.

1 DAY TRAINING COURSE

Our approved contractor training is a comprehensive 1-day programme which is highly recommended for both experienced liquid applicators and contractors new to liquid applied systems, as it provides valuable time saving tips and essential techniques.

TECHNICAL

At the heart of everything that LRS does it is our dedication to product performance and technical excellence. We believe that liquid waterproofing provides the best solutions for flat and pitched roofs, gutters, tanking and car parks.

We are dedicated to continually improving the quality of both our products and our service. We have a dedicated technical support team, supported by field based technical managers who can provide site specific specifications, telephone or onsite support.

Our downloadable product data sheets, application guides and certifications can be found on our website

www.lrs-systems.co.uk.

Further information about specific technical data can also be made available upon request by contacting our technical team who will be happy to help and can email the required information. For site specific specifications please contact the technical team on **01948 841 877**, select option 1 or email technical@lrs-systems.co.uk.





GUARANTEES AND TESTING


Our systems are tested to the highest standards to ensure they are fit for purpose and deliver exceptional performance.

We only manufacture and distribute high performance materials and as such all our systems come with a 10 year guarantee as standard, with our pro ranges offering extended guarantees of up to 25 years.

Our products are third party accredited by the largest testing houses in Europe and the United States including BBA, BDA and Factory Mutual. Our production processes are externally audited to ensure complete quality control.

We continually test our products to the latest standards and whilst our testing certificates are available on our website our technical team are on hand to deal with specific test enquiries.

For further information visit www.lrs-systems.co.uk or call our team on **01948 841 877**.

| PRODUCT GUARANTEES BREAKDOWN | |
|--|--------------------------|
|  | 10 year guarantee |
|  | Up to 20 years guarantee |
|  | 10 year guarantee |
|  | 15 year guarantee |
|  | 10 year guarantee |
|  | Up to 20 years guarantee |
|  | 10 year guarantee |
|  | 10 year guarantee |
|  | Up to 25 years guarantee |
| ELASTO-KOTE. | 10 year guarantee |
| ELASTO-KOTE PRO . | Up to 20 years guarantee |



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