



RAPIDDECK

CAR PARK COATING SYSTEM



ABOUT RAPIDDECK



RapidDeck is a cold applied, fully bonded, seamless, PMMA resin-based car park coating system. It is a rapid curing membrane that provides a tough finish coupled with up to 200% elasticity.

RapidDeck provides a cured membrane ideal for vehicle traffic with great flexibility and fast application. RapidDeck is designed for both commercial & residential car parks. With an anti-skid topcoat which is available in various colours, subject to minimum order quantity.

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

Unlike most liquid applied systems, RapidDeck is faster and less complicated to apply, creating a more homogenous finish without voids or tenting.

FULLY BONDED AND SEAMLESS MEMBRANE

It's fully bonded application prevents tracking of water and its seamless finish eliminates the risk inherent in jointed systems. The system is resistant to any wind uplift that could reasonably be expected during the products lifespan.

MULTIPLE APPLICATIONS

RapidDeck car park system can be used for car park applications of almost any size, surface or complexity.

FULLY TRAFFICABLE

RapidDeck car park system is designed to withstand heavily trafficked areas such as domestic car parks, residential car parks and multi-story car parks.

BENEFITS



Circa 20 Minute Cure



Cures down to 0°C



Fully Flexible



Tough

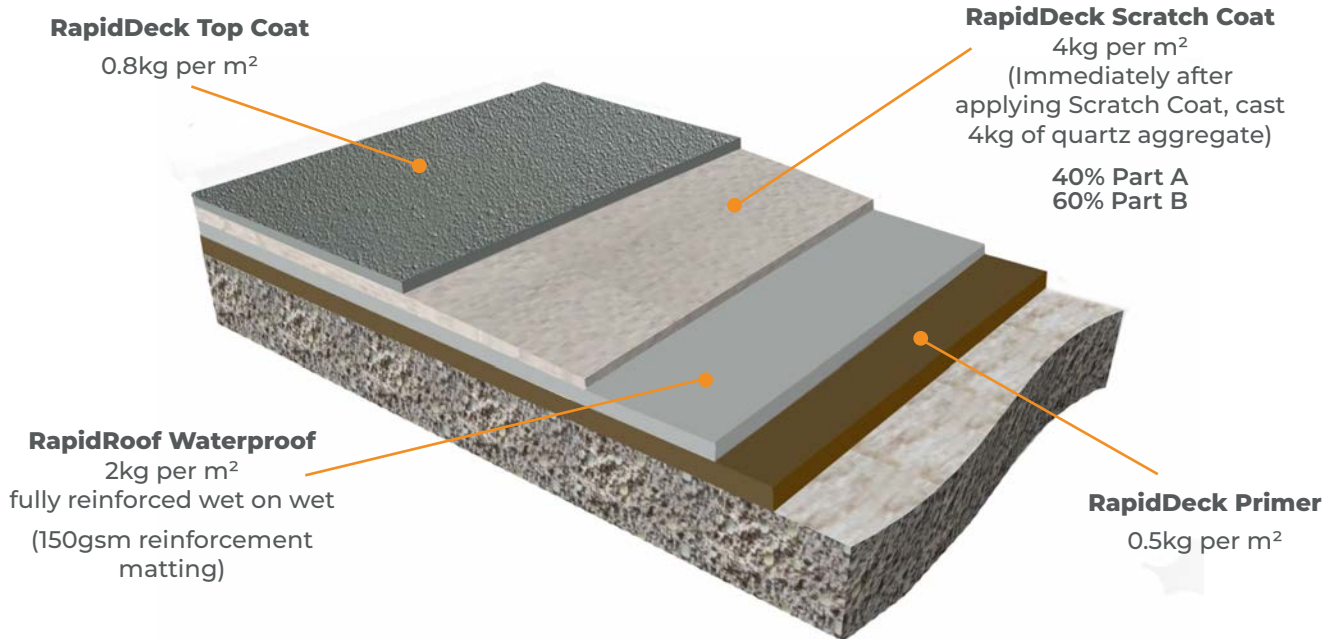


Seamless



Fully Bonded

TYPICAL TOP DECK BUILD-UP



SURFACE PREPARATION:

Ensure the substrate is clean, dry and free from dust, dirt and natural growth prior to application. Check the surface for cracks and damage and repair where necessary using LRS' Crack and Joint Filler.

TOP DECK APPLICATION: PRIMER

Once the surface is fully prepared and completely dry, apply the RapidDeck Primer at 0.5kg per m² using a short piled roller. The Primer will typically cure in 20 minutes depending on weather conditions, LRS recommend leaving 1 hour before overcoating.

WATERPROOF

Application for the waterproof will be a wet on wet system, apply 1kg per m² of RapidRoof Waterproof and immediately lay 150gsm Reinforcement Matting into

the wet coating and fully embed leaving no pinholes or fish mouths. Whilst wet, apply a further 1kg per m² of RapidRoof over the top of the matting and allow to fully cure.

SCRATCH COAT

Apply the RapidDeck Scratch Coat in 1 coat at a coverage rate of 4kg per m² using a trowel and immediately cast 4kg per m² of Quartz Aggregate and ensure full broadcast.

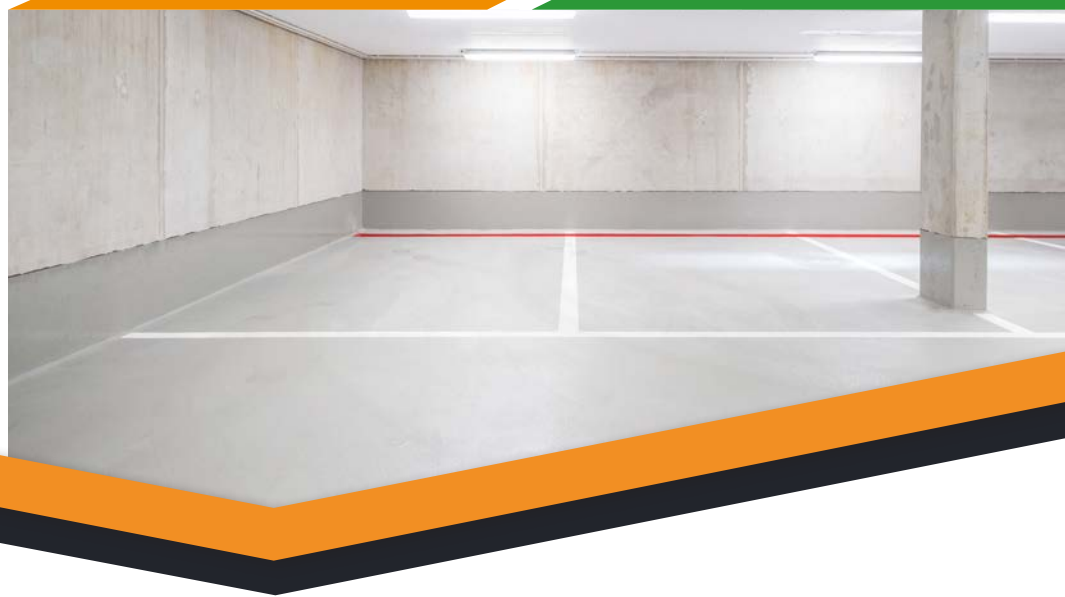
Scratch Coat will typically cure in around 20 minutes but LRS recommended leaving an hour before removing all loose aggregate using a brush.

Mixing ratio - 40% Part A & 60% Part B.

TOP COAT

Once all the loose aggregate has been removed, apply the RapidDeck Top Coat at a coverage rate of 0.8kg per m² using a short piled roller.

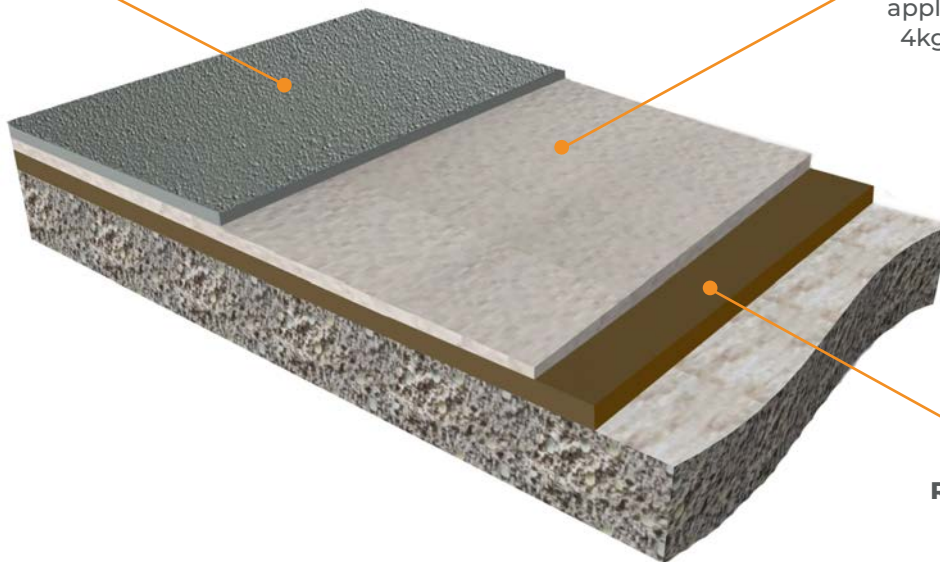
TYPICAL MIDDLE DECK BUILD-UP



RapidDeck TopCoat
0.8kg per m²

RapidDeck Scratch Coat
1.6kg per m²
(Immediately after
applying Scratch Coat, cast
4kg of quartz aggregate)

50% Part A
50% Part B



RapidDeck Primer
0.5kg per m²

SURFACE PREPARATION:

Ensure the substrate is clean, dry and free from dust, dirt and natural growth prior to application. Check the surface for cracks and damage and repair where necessary using LRS' Crack and Joint Filler.

MIDDLE DECK APPLICATION: PRIMER

Once the surface is fully prepared and completely dry, apply RapidDeck Primer at a coverage rate of 0.5kg per m² using a short-pilled roller. This will typically cure in 20 minutes but LRS recommend leaving 1 hour before overcoating.

SCRATCH COAT

The RapidDeck Scratch Coat will need to be applied in 1 coat at a coverage rate of 1.6kg per m² and immediately cast 4kg per m² of Quartz Aggregate and fully broadcast. Mixing ratio - 50% Part A & 50% Part B.

TOP COAT

LRS recommend leaving 1 hour before removing the loose aggregate using a brush or something similar. Apply the RapidDeck TopCoat at a coverage rate of 0.8kg per m² using a short-pilled roller.

TYPICAL RAMP BUILD-UP



RapidDeck TopCoat
0.8kg per m²

RapidDeck Scratch Coat
2nd coat @ 2kg per m²
(Immediately after applying Scratch Coat, cast 4kg of quartz aggregate)

33% Part A
66% Part B

RapidDeck Scratch Coat
1st coat @ 2kg per m²
(Immediately after applying Scratch Coat, cast 1.5kg of quartz aggregate)

33% Part A
66% Part B

RapidDeck Primer
0.5kg per m²
(Immediately after applying Primer, cast 0.5kg of quartz aggregate)

SURFACE PREPARATION:

Ensure the substrate is clean, dry and free from dust, dirt and natural growth prior to application. Check the surface for cracks and damage and repair where necessary using LRS' Crack and Joint Filler.

RAMP APPLICATION: PRIMER

Once the surface is fully prepared and completely dry, apply RapidDeck Primer at a coverage rate of 0.5kg per m² using a short piled roller and whilst this is still wet cast 0.5kg of Quartz Aggregate at an even coverage.

SCRATCH COAT 1

Apply the 1st Scratch Coat at a coverage rate of 2kg per m² and whilst wet cast 1.5kg per m² of Quartz Aggregate. LRS recommend leaving one hour and once fully cured, all loose aggregate will need to be removed with a brush. Mixing ratio - 33% Part A & 66% Part B.

SCRATCH COAT 2

The 2nd Scratch Coat is applied at a coverage rate of 2kg per m² and whilst wet cast 4kg per m² of Quartz Aggregate. Remove all loose aggregate once fully cured. Mixing ratio - 33% Part A & 66% Part B.

TOP COAT

Apply the RapidDeck TopCoat at a coverage rate of 0.8kg per m² using a short-pilled roller.



COLOURS & USES



AVAILABLE COLOURS:

- Mid Grey
- Dark Grey
- Blue
- Green
- Red
- Yellow

APPLICATIONS:

RapidDeck is designed to be used for several floor coating applications including, car park ramps, mid-level car park floors and top car park decks, industrial unit and commercial floor coatings. It is designed as the ideal system to segregate different parking bays, walkways, ramps and driveways, due to the various colours in which we can manufacture the product.

CREATES OPPORTUNITIES:

For liquid applied roof coating contractors who are looking to expand their service offering to include car park, industrial and commercial floor coating contracts.

USED BY:

RapidDeck is used by councils, floor coating contractors and roofers turned car park coaters who want a simple to use and fast curing floor coating system which is cost-effective compared to its market competitors.

AVAILABLE TO:

RapidDeck is available only to LRS Approved Contractors who have undergone our specific in-house training program with our dedicated in-house training managers.



ABRASION RESISTANCE



IMPACT RESISTANCE



FLEXIBLE



UV RESISTANCE



WATERPROOF



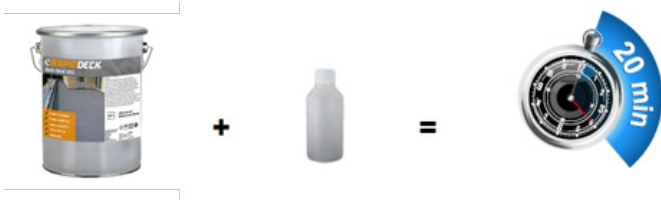
EASY APPLICATION

RAPIDDECK MIXING GUIDE



RAPIDDECK MIXING:

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.



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

RAPIDDECK PRIMER:

Decant the required amount of Primer into a separate pot and mix with the Catalyst. Ensure this is mixed thoroughly using a paddle mixer. Ratios for Primer and Catalyst is 200g per 10kg (2%).

Typical cure times for the Primer is 20 mins depending on weather conditions but LRS recommend leaving an hour before overcoating.

RAPIDROOF WATERPROOF:

Same as the RapidRoof Primer decant the required amount of RapidRoof Waterproof into a separate container and mix in the Catalyst using a paddle mixer. 200g of catalyst per 10kg of Waterproof.

Typical cure times for the RapidDeck is 20 minutes depending on weather conditions but LRS recommend leaving an hour before overcoating.

RAPIDDECK SCRATCH COAT TOP DECK:

MIXING RATIOS:

40% of Part A - 60% of Part B
2% Catalyst mixed with Part A

BASED ON 1KG:

0.4kg of Part A and 0.6kg of Part B
8g of Catalyst mixed with Part A

BASED ON 25KG:

10kg of Part A and 15kg of Part B
200g Catalyst mixed with Part A

RAPIDDECK SCRATCH COAT MIDDLE DECK:

MIXING RATIOS:

50% of Part A - 50% of Part B
2% Catalyst mixed with Part A

BASED ON 1KG:

0.5kg of Part A and 0.5kg of Part B
10g Catalyst mixed with Part A

BASED ON 25KG:

12.5kg of Part A and 12.5kg of Part B
250g mixed with Part A

RAPIDDECK SCRATCH COAT RAMP DECK:

MIXING RATIOS:

33% of Part A and 66% of Part B
2% Catalyst mixed with Part A

BASED ON 1KG:

0.33kg of Part A and 0.66kg of Part B
6.6g Catalyst mixed with Part A

BASED ON 25KG:

8.25kg of Part A and 16.75kg of Part B
165g Catalyst mixed with Part A

1. TOP DECK (Guidelines recipe and batch quantities)

ITEM	COMPONENT	GUIDELINE RECIPE	COMMENTS
1	RapidDeck Scratch Coat Resin Part A	40%	Only available in 25kg tin
2	RapidDeck SV Filler Part B	60%	1 sack 25kg
	TOTAL:	100%	
3	Catalyst	1-4% related to item 1	

2. MIDDLE DECK (Guidelines recipe and batch quantities)

ITEM	COMPONENT	GUIDELINE RECIPE	COMMENTS
1	RapidDeck Scratch Coat Resin Part A	50%	Only available in 25kg tin
2	RapidDeck SV Filler Part B	50%	1 sack 25kg
	TOTAL:	100%	
3	Catalyst	1-4% related to item 1	

3. RAMP (Guidelines recipe and batch quantities)

ITEM	COMPONENT	GUIDELINE RECIPE	COMMENTS
1	RapidDeck Scratch Coat Resin Part A	33%	Only available in 25kg tin
2	RapidDeck SV Filler Part B	66%	1 sack 25kg
	TOTAL:	100%	
3	Catalyst	1-4% related to item 1	

CHARACTERISTICS OF SCRATCH COAT AS DELIVERED

PROPERTY	APPROX. VALUE
Viscosity at +20°C	1000mPa . s
Flow time at +20°C, 6mm cup	135 - 165 sec.
Density D_4^{20}	0.98 g/cm ³
Flash point	+10°C
Pot life at +20°C (100g, 2% pbw Catalyst)	approx. 15 min.
Application temperature	+5°C to +30°C

CATALYST DOSAGES

TEMPERATURE	RAPIDDECK CATALYST	POT LIFE APPROX. MIN	HARDENING TIME APPROX. MIN.
+5°C	4.0	20	60
+10°C	4.0	15	40
+15°C	3.0	15	40
+20°C	2.0	15	40
+25°C	1.5	12	30
+30°C	1.0	10	25

PRIMER TECHNICAL DATA SHEET



ADVICE ON APPLICATION:

The surfaces must be clean, dry, and free of dust, oil and grease and other substances which could act as a separating layer.

We would recommend applying the RapidDeck Primer using a short-piled roller at a coverage rate of 0.5kg per m².

1. PRIMER

ITEM	COMPONENT	GUIDELINE RECIPE	COMMENTS
1	RapidDeck Primer	100%	
	TOTAL:	100%	Coverage rate 0.5kg per m ²
2	Catalyst	1-4%	

CHARACTERISTICS OF PRIMER AS DELIVERED

PROPERTY	APPROX. VALUE
Viscosity	180-250mPa . s
Density D ²⁰	0.99 g/cm ³
Flash point	+10°C
Pot life at +20°C (100g, 1.5% pbw Catalyst)	12-14 min.
Application temperature	0°C to +30°C

CATALYST DOSAGES

TEMPERATURE	CATALYST POWDER % PBW.*	POT LIFE APPROX. MIN	HARDENING TIME APPROX. MIN.
+0°C	4.0	32-36	50-60
+10°C	2.0	18-22	45-55
+20°C	1.5	12-14	35-45
+30°C	1.0	10-12	30-40

WATERPROOF TECHNICAL DATA SHEET



APPLICATION:

Once the surface is cleaned and fully prepared RapidRoof can be applied using a brush or short piled roller. Application surface temperatures must be between 0°C and 30°C. RapidRoof should always be applied in 2 coats.

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 - 30°C
Vapor pressure at 20°C	38.7 hPa
Density at 20°C	1.6 / cm ³

CATALYST DOSAGES

TEMPERATURE	CATALYST POWDER % PBW.*	POT LIFE APPROX. MIN	HARDENING TIME APPROX. MIN.
+0°C	4.0	32-36	50-60
+10°C	2.0	18-22	45-55
+20°C	1.5	12-14	35-45
+30°C	1.0	10-12	30-40

SCRATCH COAT TECHNICAL DATA SHEET



2. MIDDLE DECK (Guidelines recipe and batch quantities)

ITEM	COMPONENT	GUIDELINE RECIPE	COMMENTS
1	RapidDeck Scratch Coat Resin Part A	50%	Only available in 25kg tin
2	RapidDeck SV Filler Part B	50%	1 sack 25kg
	TOTAL:	100%	
3	RapidDeck Catalyst	1-4% related to item 1	

CHARACTERISTICS OF SCRATCH COAT AS DELIVERED

PROPERTY	APPROX. VALUE
Viscosity at +20°C	1000mPa . s
Flow time at +20°C, 6mm cup	135 - 165 sec.
Density D ₄ ²⁰	0.98 g/cm ³
Flash point	+10°C
Pot life at +20°C (100g, 2% pbw Catalyst)	approx. 15 min.
Application temperature	+5°C to +30°C

CATALYST DOSAGES

TEMPERATURE	CATALYST POWDER % PBW.*	POT LIFE APPROX. MIN	HARDENING TIME APPROX. MIN.
+0°C	4.0	32-36	50-60
+10°C	2.0	18-22	45-55
+20°C	1.5	12-14	35-45
+30°C	1.0	10-12	30-40

TOP COAT TECHNICAL DATA SHEET



APPLICATION:

RapidDeck TopCoat will need to be applied using a short-piled roller once the RapidDeck Scratch Coat has cured at a coverage rate of 0.8kg per m². LRS recommend once mixed to pour and bead out over the required area and applied to an even coverage. Always cross roll where possible.

GUIDELINE RECIPE AND BATCH QUANTITIES:

ITEM	COMPONENT	GUIDELINE RECIPE	COMMENTS
1	RapidDeck resin TOPCOAT	100%	
	TOTAL:	100%	Coverage rate 0.8kg per m ²
2	Catalyst	1-4%	

CHARACTERISTICS OF TOPCOAT AS DELIVERED

PROPERTY	APPROX. VALUE
Viscosity at +20°C	350-550mPa . s
Density D ⁺²⁰	1.2 g/cm ³
Flash point	+10°C
Pot life at +20°C (100g, 1.5% pbw Catalyst)	Approx. 15 min.
Application temperature	0°C to +30°C
Flow time at +20°C, 6mm	45-70 sec.

CATALYST DOSAGES

TEMPERATURE	CATALYST POWDER % PBW.*	POT LIFE APPROX. MIN	HARDENING TIME APPROX. MIN.
+0°C	4.0	32-36	50-60
+10°C	2.0	18-22	45-55
+20°C	1.5	12-14	35-45
+30°C	1.0	10-12	30-40

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 of our systems.

APPROVED CONTRACTOR STATUS

LRS run approved contractor training schemes on all of 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 is our dedication to system 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.



BECOME AN APPROVED CONTRACTOR





TECHNICAL AND GUARANTEES



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 of 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 year guarantee
	10 year guarantee
	15 year guarantee
	10 year guarantee
	Up to 20 year guarantee
	10 year guarantee
	10 year guarantee
	Up to 25 year guarantee
ELASTO-KOTE.	10 year guarantee
ELASTO-KOTE PRO .	Up to 20 year guarantee



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