



FASTCOAT BROCHURE

LIQUID ROOFING SYSTEMS



ABOUT FASTCOAT



Fastcoat is LRS' single component liquid applied pure polyurethane range, which provides fully bonded, tough and durable seamless waterproofing systems. By using our exclusive pure Polyurethane technology, we deliver systems which ensure long performance life and exceptional UV resistance.

Polyurethanes are known for their exceptional strength and elastic properties, with this in mind Fastcoat offers complete systems for waterproofing roofs, balconies, gutters and walkways.

With Fastcoat's, fast cure technology, unlike many alternatives Fastcoat is able to offer substantial reductions in application time, saving significant amounts of project costs and reducing site disruption. Typically showerproof in 30 minutes and fully cured in approximately 4 hours. Smaller projects can often be completed in a day.

Highly elastic to cope with normal roof movement and with the addition of FastCoat Traffic Coat it is exceptionally tough, making it ideal for balconies and walkways. FastCoat is seamless and fully bonded to provide the best solution for green roof waterproofing.

Its fully reinforced specification makes Fastcoat suitable for flat, pitched and vertical applications. Our standard Fastcoat system comes with a 10 year guarantee as standard.

Suitable for application onto: OSB3 roofing boards, old felt, asphalt, concrete, metal, old fibreglass and compatible with standard GRP trims.



TECHNICAL DATA SHEET



PHYSICAL PROPERTIES & SPECIFICATIONS

Appearance:	Liquid with characteristic odour and colour
Colour:	RAL 7011
Odour:	Solvent
Odour threshold:	N.A./N.A.
pH:	n.a.
Melting point:	n.d. °C
Boiling Point:	238 °C
Flash point:	45 °C
Evaporation rate:	nd
Inflammability (solid, gas):	flammable
Lower Explosive Limit:	n.d.
Upper Explosive Limit:	N.A./N.A.
Vapour pressure:	nd
Vapour density:	nd
Relative density:	1,3 g/cm³
Solubility:	Organic solvents
Liposolubility:	nd
Hydrosolubility:	not soluble
Partition coefficient (n-octanol/water):	nd
Auto-ignition temperature:	N.A./N.A.
Decomposition temperature:	N.A./N.A.
Viscosity:	5000-10000 cps 25°C
Explosive properties:	non explosive
Oxidizing properties:	non oxidant

READ SAFETY DATA SHEETS BEFORE USING THIS PRODUCT

PRIMER



APPLICATION PROCESS



BASECOAT

CLEANING THE SUBSTRATE:

The best method to ensure the surface is clean from loose dirt, dust and natural growth is a power washer, we recommend a minimum of 2000psi power washer.

If a power washer is not possible, the contractor must deem the most appropriate method of cleaning that achieves a similar clean to that of a 2000psi power wash.

A clean surface is critical for a successful bond of the FastCoat, if the surface is dirty or dusty the FastCoat will only bonding to this rather than the substrate it is intended for.

FULLY PREPARED SUBSTRATE:

Ensure the substrate is fully prepared before applying any FastCoat Primer or FastCoat Waterproof. All Joints / Vulnerable areas that are over 3mm will need to be filled using LRS PU Mastic.

If joints are not filled this could lead to pinholes within the waterproofing membrane.

All brickwork / screed should be checked for cracks and damage, then repaired where necessary. Any repairs made using concrete will need to be completely dry which is typically 28 days.

PRIMING:

Ensure the correct primer is used depending on the substrate, for more information please contact LRS Technical Team on 01948 841 877.

DETAILING:

All details must be completed first before the start of the main waterproofing application.

Upstand details should be detailed up a minimum of 150mm where possible. Any details that do not meet the 150mm height requirement should be terminated either using a termination bar or LRS PU Mastic.

FastCoat should be applied up the upstand at the recommended height and fully reinforced using LRS 225gsm Reinforcement Matting.

SNAGGING:

Once the BaseCoat is complete the roof should be snagged to remove any wicks created. This can be done by lightly sanding the wick to remove it with 80 grit sandpaper or similar. Also, any pinholes within the membrane can be filled using LRS PU Mastic.

FASTCOAT BASECOAT:

On completion of the detailing the FastCoat will need to be applied to the main roof area.

This should be done in 2 coats, first coat of FastCoat will need to be applied at a coverage rate of 1.25kg per m² using a 9" short piled roller and this is fully reinforced using a 225gsm Reinforcement Matting.

The Reinforcement Matting must be fully saturated and embedded, making sure the membrane is free from creases and pinholes.

Ensure the FastCoat tins are gridded out over the roof area, so the FastCoat is applied at the correct coverage rate.

MATTING



FASTCOAT TOPCOAT:

FastCoat TopCoat should be applied at a coverage rate of 0.75kg per m², ensure the tins are gridded out to get the correct coverage rate. We recommend to cross roll where possible to ensure the TopCoat is applied evenly across the area.

FASTCOAT TRAFFIC COAT:

FastCoat Traffic Coat Holding Coat is applied at a coverage rate of 0.2kg per m² over the completed FastCoat waterproof, while the holding coat is wet cast 3kg per m² of aggregate and fully broadcast.

Once this has cured, typically 30minutes, all loose aggregate should be removed and bagged up for later use.

FastCoat Sealer Coat should be applied over the top of the aggregate at 0.2kg per m², this will typically cure around 30 minutes.

**APPLICATION
PROCESS**

CAUTION:

Do not use near open flame. Avoid breathing in fumes and prolonged contact with skin. Do not take internally. If swallowed, do not induce vomiting.

Call a doctor immediately. Keep out of reach of children. Coating must be dry before exposure to water. Store in a heated room and keep container covered when not in use. Do not thin. Dispose of in an environmentally safe manner. Cover air intakes during application and while drying.



TOPCOAT

TYPICAL FASTCOAT BUILD-UP

TRAFFIC COAT

**FastCoat Primer
(if required)**
Up to 0.3 kg per m²

FastCoat TopCoat
0.75 kg per m²

**Reinforcement
Matting**
225 gsm

FastCoat BaseCoat
1.25 kg per m²

*Primer maybe required on some surfaces

BENEFITS



Fast Curing



30 Mins Showerproof



Single Component



Applied In 2 Coats



Seamless



Extremely Elastic

TECHNICAL STATISTICS

Dry film thickness:	Minimum 1.5mm
Application rate:	2kg
Cure time:	4-6 hours
Fire test:	Broof t4
Application temperature:	5°C - 35°C
Specific gravity:	1.3g/cm³
Load strength:	14N/mm (150 34-1)
Elongation:	600%

SUITABLE SURFACES (Primer required)

OSB3	No primer ✓	No primer ✓
Old felt	Dry Porous Flex ✓	No primer ✓
Asphalt	Dry Porous Flex ✓	No primer ✓
Concrete	Dry Porous Flex ✓	Dry Porous Flex ✓
Metal	Rust Inhibiting ✓	Rust Inhibiting ✓
Fibre glass / GRP	PU Primer ✓	PU Primer ✓
Existing coatings	PU primer ✓	PU Primer ✓

PRODUCT RANGE TABLE

PRODUCT	SIZE	CODE	COLOUR
FastCoat	5kg	FC5	Grey - RAL 7011
FastCoat	10kg	FC10	Grey - RAL 7011
FastCoat	25kg	FC25	Grey - RAL 7011
FastCoat Pro DG	5kg	FCP5DG	Dark Grey - RAL 7011
FastCoat Pro DG	10kg	FCP10DG	Dark Grey - RAL 7011
FastCoat Pro DG	25kg	FCP25DG	Dark Grey - RAL 7011
PU Primer	4kg	PUP4	Clear
PU Primer	20kg	PUP20	Clear
Porous Primer Flex	4kg	FCPPF4	Clear
Rust Inhibiting Primer	11kg	PUZNP11	Clear
Rust Inhibiting Primer	27.7kg	PUZNP27	Clear
2 Part Humidity Primer	5kg	2PHP5	Clear
2 Part Humidity Primer	18kg	2PHP18	Clear
BaseCoat Thinner	4kg	FCBCT4	Clear
BaseCoat Thinner	20kg	FCBCT20	Clear
Traffic Coat	4kg	FCBC4	Clear
Traffic Coat	25kg	FCBC25	Clear
Emery Aggregate	25kg	FCEA25	Brown
PU Joint Sealer	600ml	PUJS600	Grey
PU Joint Sealer Gun	N/A	PUJSGUN	N/A
Butyl Tape	100mm	FCBT100	White
Chopped Strand Joint Tape	100mm x 25lm	CSJT10025	White
Chopped Strand Joint Tape	100mm x 180lm	CSJT100180	White
Reinforcement Matting	1m x 25m	CSJT125	White
Reinforcement Matting	1m x 130m	CSJT1130	White

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 A LRS APPROVED CONTRACTOR

As a member of both NFRC and LRWA we are passionate about roofing standards and ensuring roofing 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

As an approved member of Competent Roofing, we run approved contractor training schemes on all our systems which qualify for the practical section of the Competent Roofer scheme. We also offer contractors full support and a preferred contractor list to building owners.

APPROVED CONTRACTOR BENEFITS

As an approved contractor you will receive exclusive access to our Pro Systems across all our ranges including RapidRoof Pro, Fastcoat Pro, Liquid Rubber Pro and Elasto-kote Pro. These are the third-party accredited systems which offer BBA, BDA, FM and NHBC accepted applications for New Build. You will also be able to offer extended guarantees up to 25 years instead of our standard 10 year options.

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. You will then be added to the LRS Approved contractor database and issued full LRS Certification.

OUR FUTURE TRAINING DATES

All training courses are run in our dedicated training centre where you will receive practical hands on training. To view our up and coming course dates visit our Facebook or contact us on **01948 841 877**.

PRO RANGE

Our Products are available from all good independent roofing merchants nationwide. We have a full technical team on hand to discuss all enquiries on **01948 841 877**. If your project requires specifications and pricing, then get in touch with the team.



BECOME AN APPROVED CONTRACTOR



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 roof applications.

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**

UP TO 25 YEAR 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 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**



LIQUID ROOFING SYSTEMS

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