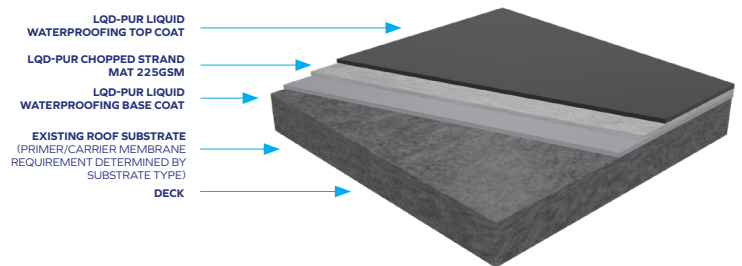


LQD-PUR LIQUID WATERPROOFING SYSTEM

LQD-PUR is a complete roof waterproofing system. Tried and tested polyurethane technology provides the reassurance of a long-lasting roof, further supported by the awarding of BBA certificates for systems assessed to provide a durable waterproof coating with service lives in excess of 20 and 25 years. The LQD-PUR system is able to withstand the stresses that roofs experience due to its elastomeric properties. Fast curing components, and cross-linking technology provide the professional contractor with a fast, easy to install system.



Benefits

Simple Installation: Simple range of components. Apply straight out of the can.

Long Lasting Waterproofing: BBA approved for 20 and 25 year projects.

B_{ROOF}(t4) Fire Certificates: Extensively tested over many roof build-ups for total reassurance.

Refurbishment and New Build: Wide project range with consistent application methods.

Compatible with Multiple Substrates: Tissue and Foil faced PIR, EPS, XPS, Mineral Wool, Foamglass, Ply, OSB3, Bitumen Felt, PVC single ply (subject to adhesion test).

Two Roof Colour Options with One System: Base Coat can be either Coat A or B determined by surface colour preference. Both Coat A and B should be used to complete the installation to ensure full coverage rates are achieved.

Simple Installation

Flex-R's LQD-PUR has been developed with the contractor in mind. Reduced project times can be achieved as it requires no mixing, requires a simple range of components for each roofing application, and can be applied with a brush or roller. This simplicity ensures fast application, reduced labour, and eliminates the need to ensure correct ratios. Its fast-curing components allow the system to cure in 6-12 hours at 20°C, but can be installed from 5°C.

Long Lasting Waterproofing

The BBA has awarded certificates for both 20 and 25 year system options. This provides the professional contractor, architect or specifier, and the building owner the reassurance they demand. BBA Agrément Certificate 21/5904. 20 and 25 Years.

Fire Certification

Fire certification has never been more important to industry professionals. Flex-R LQD-PUR has been tested on a range of common roof build-ups for both flat and pitched roof applications. Testing in accordance with EN 13501-5: 2016 Test method: CEN/TS 1187: 2012 Test 4. Classification: B_{ROOF}(t4).

Refurbishment & New Build

With its ability to adhere to an extensive range of common roofing substrates, LQD-PUR is a versatile system that can be installed over *OSB3, *suitable ply, mastic asphalt, Bitumen felts, PVC single-ply, metal, concrete, PU liquid applied coatings and *tissue faced insulation.

*Flex-R AVCL should be installed as a carrier membrane over all timber-based and suitable tissue faced insulation boards substrates prior to application of the LQD-PUR system.

Preparation

1. Surfaces must be clean, dry, and free from debris, fungal growth and any other contaminants before use.
2. Cracks, holes, and other defects must be repaired prior to waterproofing application.
3. Most substrates require priming with the appropriate LQD-R Primer prior to the application of the base coat (Consult Primer Chart). It is advised that adhesion tests are carried out onsite prior to application to ensure sufficient adhesion can be achieved and to determine priming requirements. Flex-R AVCL, when used as a carrier membrane, does not require primer application to the upper surface prior to applying LQD-PUR.

Primer	Substrate
LQD-PUR GP Primer	Bitumen Felt / Mastic Asphalt / Concrete
LQD-PUR PVC Primer	PVC Single Ply
LQD-PUR Metal Primer	Metal
LQD-PUR Reactivator	LQD-PUR base coat exposed in excess of five days and aged areas under repair prior to the application of further coats
LQD-PUR AVCL Primer	Suitable deck prior to application of Flex-R AVCL/Carrier Membrane

Application

1. Apply the base coat with a brush or roller at a rate of 1.00L/m² (dependent on substrate surface texture). Apply to perimeters and roof details prior to waterproofing field areas.
2. Roll 225gsm CSM (Chopped Strand Mat) into the wet Base Coat immediately after application ensuring no creases are formed. The components of LQD-PUR cause the CSM to break down into individual fibres when embedded into the Base Coat, reducing the risk of creasing, and ensuring each run of matting is fully incorporated into the next. CSM must be overlapped by a minimum of 50mm to ensure consistent system reinforcement.
3. When the Base Coat has been allowed to cure (approx. 6-12 hours at 20°C), apply the Top Coat with a brush or roller – coverage rates dependent on the expected system lifespan required.
4. Allow the Top Coat cure (approx. 6-12 hours at 20°C).

	Coat A	Coat B
Material	Polyurethane	
Appearance	Light Grey	Dark Grey
Application Temperature	5 - 30°C	
Temperature Resistance Range	-30 - 80°C	
Expected Cure Time (per coat) at 20°C	6 - 12 hours	
Moisture Tolerance at 20°C	1 - 2 hour(s)	
Shelf Life	6 months BBA states 12	
Storage Temperature	5 - 25°C	
Coverage	20 Year System: Base Coat: 1L/m ² . Top Coat: 1L/m ² 25 Year System: Base Coat: 1L/m ² . Top Coat: 2 coats at 0.75L/m ²	
Unit Size	15 litres	

Notes

Suitability: Please contact Flex-R if you have any questions regarding specific substrates and their preparation.

Flex-R AVCL should be installed as a carrier membrane over all timber-based and suitable tissue faced insulation boards substrates prior to application of the LQD-PUR system.

Substrate Quality: The substrate must be solid and in a suitable condition prior to adhering and be able to resist any wind uplift forces.

Storage and Handling: The product should be stored unopened in a dry condition at a temperature of 5-25°C. This will ensure the stated shelf life. The product will have a limited life once the container is opened.

Temperature and Timings: All information on temperature and timings represents normal working conditions and is provided as a guideline only.

Disclaimer: Flex-R has taken care to ensure that the information provided in the literature is correct and up to date. However, it is not intended to form any part of a contract or provide a guarantee. Purchasers/intending purchasers should contact Flex-R to verify whether there have been any changes to the provided information since publication of the literature. Please ensure you have read the hazard labels and safety data sheet before using this product.