



Liquid waterproofing systems for the construction industry

## WIDOPUR-LF 2K

### Properties

This is a 2 component wet on wet waterproofing system, comprised of solvent and odour free polyurethane resin and a hardener. Widopan Fleece is used for reinforcement.

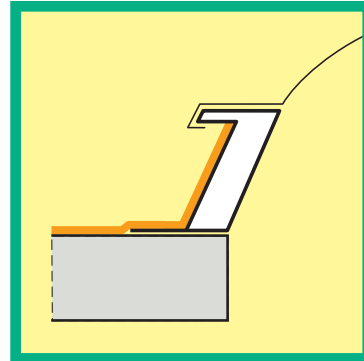
For the resin component a polyurethane manufactured from renewable raw materials is used. This has been environmentally optimised for the specific application.

### Items supplied

A full **WIDOPUR-LF 2K** kit consists of the resin component 'A' 12 kg and 3 kg of hardener component 'B'.



**WIDOPAN®** Products  
Successful for over  
35 years in new build  
and renovation work

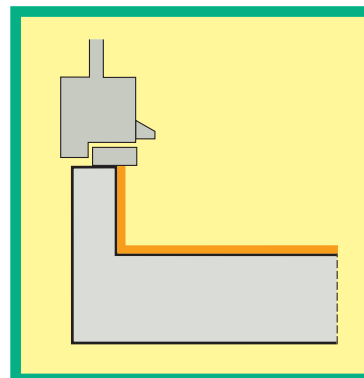


### Lighting Domes and Skylights

The transition at the lighting domes and skylights is vertical to the attaching rim. The top edge of the attaching rim should be at

least 150 mm above the top edge of the finishing deck. No mechanical fixings are required as **WIDOPUR-LF 2K** is self-terminating.

Sealing is also possible on the horizontal flange, if the base flange width is a minimum of 100 mm.



### Door Threshold and Upstands

The wall upstand below the threshold should be vertical and waterproofed to a minimum height of 150mm above

the physical deck finish. As **WIDOPUR-LF 2K** is self-terminating it is not always necessary to install separate flashings or termination bars. Where door access to balconies & terraces are designed with thresholds lower than the standard 150 mm, a site specific design would need to be put in place.



Liquid waterproofing systems for the construction industry



# WIDOPUR-LF 2K



The Solvent and  
Odour Free Liquid  
Solution

**Secure liquid sealing with WIDOPUR-LF 2K**

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### Liquid resin for renovation and new build

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# WIDOPUR-LF 2K

The Solvent and Odour Free Liquid Solution



## A totally secure seal!

*Liquid synthetics are today a firm part of waterproofing technology on flat roofs, balconies and similar structural elements.*

*Liquid synthetics have proved successful in solving problems involving transitions between differing mediums and details, but also for complete sealing on surfaces which allow no other suitable solution due to their construction, geometry or particular physical features.*

*For sealing at hospitals, day nurseries, retirement homes and schools, or for parts of buildings rated generally as areas where strong odours or solvents are undesirable or unacceptable, WIDOPUR-LF 2K should be used. It is acceptable to work in the vicinity of air intakes of ventilation and air conditioning systems while they are in operation.*

## Solvent-Free

WIDOPUR-LF 2K releases no solvent or odour during processing and meets all sealing requirements.

## Durable and homogenous

With the reinforcement of polyester mesh fabric, a homogenous seal, which also bridges over cracks, is created. All transitions and details are reliably and permanently sealed.

After approximately 2 hours at 20 °C the material is cured and may be walked on after 12 hours.

The material is completely rainproof after approx. 30 minutes.

Combined with the reinforcement of polyester mesh fabric, the result is a highly flexible and durable elastic seal which resists all the effects of precipitation and airborne loads, while at the same time providing adequate fixing strength.

WIDOPUR-LF 2K adheres to the majority of commonly used plastic and bitumen roofing membranes without the need for priming.

However, priming may be required at transitions to other substrates. Please consult with Widopan Technical department prior to installation.

## Rapeseed Oil Instead of Castor Oil

Two-component polyurethane liquid synthetics are nowadays made to a large extent from renewable raw materials. This means that the resin component is made from bio-polyols obtained from plant oils.

In the majority of bio-polyols, castor oil is the raw material used. Castor oil is however a much desired product, which is also used in the textile industry to produce synthetic fibres. The castor oil plant grows in the sub-tropics, e.g. India, which is also the main source of world production. But, in reality, the long transport distances negate against the use of this product for environmental reasons, thus locally sourced rapeseed is utilised.

The Bio-polyol used in WIDOPUR-LF 2K is made largely from rapeseed oil. A local product which is available, as it were, on the doorstep.

Up to 50% of the resin component is comprised of this raw material.

## Every Detail Tightly Sealed

Seals made using liquid synthetics can be adapted to most complex details on site, taking into account the conditions of the substrate. Through this approach, even irregular shapes can be given permanent reliable sealing.

## WIDOPUR-LF 2K layer sequence

2nd coating WIDOPUR-LF 2K

G165 mesh fabric

1st coating WIDOPUR-LF 2K

Primer – if required, Widopan also manufacture a solvent free primer specifically for use with Widopan LF 2K resins

Substrate – e.g. plastic or bitumen roofing sheets

