

WILLPOX® LC

1K Light-curing epoxy resin system for synthetic fibre liners

1. Applications

WILLPOX® LC is a special 1K epoxy resin system. Due to its adapted reactivity, the system is suitable for curing impregnated synthetic and glass fibre liners with UV and LED light.

WILLPOX® LC is a specially developed system for the renovation of house connection and downpipes.

2. Substance data*

		WILLPOX® LC	Norm
Refractive index	nD	1.5270 – 1.5305	PV_FW18
Density at 23°C	g/m ³	1.10 – 1.20	DIN 51757
Viscosity at 23°C	mPa*s	8000 - 12000	DIN EN ISO 2555-2018
Reactivity at 25°C	min	1.7 – 2.3	DIN EN ISO 11357-1:2017-02
Colour		colourless / yellow	
E-modulus	MPa	≥ 3000	DIN EN ISO 278:2013-09

3. Reaction and mechanical data*

Light curing: UV - LED			Norm
Pull-through speed	m/min	0.1 – 1.0	
Curing temperature	°C	> 54	
			Norm
Bending E-module	MPa	≥ 2600	DIN EN ISO 178
Bending stress	MPa	≥ 19	DIN EN ISO 178
Tensile strength	MPa	≥ 20	DIN EN ISO 527-2
Elongation at break	%	≥ 0.6	DIN EN ISO 527-2
Heat deflection temperature	°C	≥ 45	DIN EN ISO 75-2

4. Composition and properties

WILLPOX® LC is a specially developed system for the renovation of house connection and downpipes.

WILLPOX® LC has the following material properties:

- No mixing required
- Low odour
- No volatile components
- Curing with light curing systems UV and LED light
- Easy handling
- Adhesion to the old pipe
- Very good resistance to acids and bases, even beyond the requirements of the DIBt

5. Preparation/Processing

Do not stir **WILLPOX® LC** before use. The product is filled into the vacuum-packed liner and distributed using a calibrating roller according to the set wall thickness. The product processing temperature should be between 15°C and 25°C.

6. Safety notes

WILLPOX® LC is classified as dangerous according to REGULATION (EC) No. 1272/2008. Before starting processing, it is necessary to inform yourself about precautionary measures and safety advice by means of the safety data sheets.

7. Storage

At storage temperatures between 10°C and 30°C, the shelf life of the component in its original packaging is 12 months. The minimum durability is reflected by the batch number on the container.

8. Delivery form

	WILLPOX® LC (item no.)
12 l tin can à	12 kg (WPOX-LC-1-12)

Other delivery forms on request.

9. Waste management

In Germany, empty packaging can be taken back by the KBS or Interseroh-System for steel or plastic packaging. The return is limited exclusively to used, completely empty packaging of the same type, shape, and size that we carry in our product range.

Transport and outer packaging are not included.

For more information on the location and further modalities of the return, please visit the website of the recycling partner acting on our behalf:



Interseroh+ GmbH

www.interseroh.plus
info@interseroh.plus
Tel.: +49 (0)2203 9147 - 1268



Kreislaufsystem

Blechverpackungen Stahl GmbH

www.kbs-recycling.de
info@kbs-recycling.de
Tel.: +49 (0)211 239228 - 0

Reacted product residues can be disposed of in smaller quantities with household waste, in larger quantities as construction waste or incinerated.
Non-reacted product components must be disposed of in accordance with local regulations.

10. Test certificates/Approvals

DIBt approval Z-42.3-594 in extension.

11. Legal notes

***The indicated data are laboratory values.**

Our technical application advice, which we give to support the customer or applicator on the base of our experience and to the best of our knowledge according to the current state of knowledge in practice and science, is non-binding and does not represent an agreed quality. The data and processing instructions are based on laboratory tests.

In practice, the measured values may be different due to influences outside our control. We explicitly reserve the right to make technical changes during further development.

The technical documents should be read carefully before starting work.

With the publication of a new version of the technical data sheet, all previous data sheets lose their validity. The applicator must test the products for their suitability for the intended application.

With the publication of this data sheet, previous editions become void.

F. Willich GmbH + Co. KG

Planetenfeldstr. 120
44379 Dortmund
Germany

Phone: +49 (0) 231 9640 - 0
Fax: +49 (0) 231 9640 - 232
info@f-willich.com
www.f-willich.com