Technical Data Sheet

WILLPOX® LC

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One component UV hardening epoxy resin for synthetic fiber and glas fibre liner

1. Applications

WILLPOX® LC is a special solvent-free one-component epoxy resin system. Due to its adapted reactivity this system is suitable for hardening process with a UV and LED light impregnated synthetic fiber and optical fiber.

WILLPOX® LC has below material characteristics:

- Light curing in wavelength range between 360 nm und 450 nm
- odorless
- Curing process with light-curing equipment with UV and LED light
- Application in house connection and in inhouse field

2. Component characteristics

WILLPOX® LC		1C epoxy resin
Density at 23°C	g/cm³	1,1 ± 0,2
Dynam.Viscosity at 23°C	mPa*s	8000 – 10000 mPas
Colour		Without colour
Flashpoint	°C	> 100

3. Reaction Data

UV – LED Curing		
Pullingspeed	m/min	0,1 – 1,0
Lightsource/Lightspectrum	nm	360 - 450
Curing temperature	°C	> 54 °C

4. Mechanical Data

Synthetic fiber liner			
Circumferential E-Modulus	MPa	3452	DIN EN 1228
Initial annular rigidity	N/m²	4162	
Bend E-modulus	MPa	3030	DIN EN ISO 178
Bending stress	MPa	104	

5. Preparation / Processing

WILLPOX® LC will be process as one component. Please do not stir WILLPOX® LC before processing. The product is filled into the vacuumed liner and distributed by means of a calibration roller according to the set wall thickness.

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6. Storage

The shelf-life in the original packaging and containers have at least 12 months at room temperature. If using products that have been stored for longer, we always recommend contacting F. Willich GmbH + Co. KG before using the product to check if the product to check if the product specification is still current. Statutory storage regulations must be observed (see safety datasheet).

7. Delivery form

Metal container /plastic	20 kg

Other delivery forms on request

The information in this data corresponds to our knowledge and experiences at the present time. The information does not constitute legally binding assurance of properties. Before you use the product, check this on its suitability. Since the processing are beyond our control, it is subject solely to user

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