

# Cast Resin EPL 701 • electrically Conductive



Technical Data		
Processing temperature	+5°C to +35°C	
Processing time	21°C	app. 70 min.
Colour	light ocher	
Density	1,89 g/cm <sup>3</sup>	(20°C)
Adhesion	app. 23°C	1,0 N / mm <sup>2</sup>
	app. 70°C	0,3 N / mm <sup>2</sup>
(After buffeting test)	app. 23°C	0,5 N / mm <sup>2</sup>
Hardness Shore D	70 - 80	(23°C)
Volume volume at hardening	app. 1%	
Thermal expansion	54 x 10 <sup>-6</sup> K <sup>-1</sup>	
Thermal conductivity	1W / K x m	
Specific conductance	< 0,1 Ohm x cm	
Behaviour in case of fire (hardened)	Class B1	DIN 4102
Stability	against aging, sea water, ozone irradiation	

## Material description

Electrically conductive sealing compound, two-component based on a non-crystallising, modified epoxy-resin. EPL 701 is vibration proof, resistant to seawater and ozone and is non-ageing.

## Application

To create a electrically conductive connection.

This compound will create a permanent connection with nearly all surfaces and can be casted to workpieces of every form and size.

EPL 701 has been proven to be reliable in hard-to-reach places.

## Processing

The surfaces have to be dry and clean. The use of a primer is not necessary. The two-components (resin and hardener) are exactly fine-tuned to each other. There is no further need to weight out the components.

The resin has to be mixed up (do not use a metal stirrer) and after that the hardener component has to be

completely poured into the resin tin. After that the compound has to be mixed for about 3 minutes. During mixing it is important, that only few air bubbles are mixed into the compound.

The processing time is dependent on the ambient temperature. At lower temperatures you have longer and at higher temperatures you have shorter processing times. The final hardness will be reached after 3 days.

## Storage

The original closed tins have to be stored in a dry and frost-free place. Open units must be used at once.

The processing-guarantee is 6 months after production date (see labels on the containers).

## Hazardous / Safety advice

Follow the advice printed on the containers and the relevant safety data sheets for resin and hardener.