



**Kisling**

To ensure we meet high quality demands in the area of LED`s, we have subjected our encapsulants to ambitious long-term tests over many thousands of hours under extreme weather conditions.

With our transparent and translucent potting systems, your components will no longer be sensitive to external influences and be perfectly suited for the usage outdoors.

# Excellence in Adhesive, Sealant and Encapsulant Manufacturing

## YOUR BENEFITS

- + Process consulting and on-site support
- + Customised product development
- + Label free products
- + CMR free products
- + Odorless acrylates
- + Direct supply

## OUR MARKETS

- + Lightweight / Composites
- + E-Mobility / Electric Motors
- + Electronics
- + Fluid Technology
- + Bus, Truck & Rail (BTR)/ Automotive
- + Loudspeaker
- + Maintenance, Repair & Overhaul (MRO)

## OUR PRODUCT RANGE

- + Adhesives and sealants:
  - (Meth)Acrylic structural adhesives
  - Epoxy structural adhesives
  - Anaerobic adhesives
  - Cyanacrylate instant adhesives
  - Silicones
- + Encapsulants:
  - Polyurethane
  - Epoxy

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# Encapsulants for LED



**BONDING +  
SEALING +  
ENCAPSULATION**

**Kisling**

MEMBER OF THE WÜRTH GROUP



# Application Areas, Key Products & Success Stories



## Application Areas & Key Products



Construction



Electronics



Transport and conveyance



Use at home

### POLYURETHANE

**8800 + 8930**  
high transparency,  
UV-resistant, low hardness,  
high elongation at break

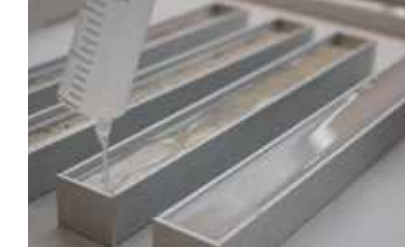
**8808 + 8930**  
high transparency,  
UL94-V0, low viscosity,  
UV-resistant

**8804 + 8930**  
1 : 1 mixing ratio, high  
transparency, low viscosity,  
UV-resistant

**8812 + 8930**  
high transparency, high  
hardness, low viscosity,  
UV-resistant

ALL SYSTEMES ARE CMR FREE

## Success Stories & Customer Benefits



**Project:** LED lights

**Product:** 8804 + 8930

**Benefit:** Material also available in  
cartridges



**Project:** Flexible LED curtain for  
EXPO 2020

**Product:** 8804 + 8930

**Benefit:** Very high transparency due  
to high transmission values



**Project:** LED paving stone

**Product:** 8812 + 8930

**Benefit:** High luminous efficacy  
despite strong pigmentation



### KISLING

+ Manufacturer of adhesives, sealants & encapsulants

+ >70 employees worldwide

+ >40 distributors in more than 25 countries

+ Revenue 2021: >20 Mio. CHF

+ >200 products, Swiss made