



**Kisling**

Composites are highly demanding in terms of bonding and handling process. It is therefore important to choose the optimal adhesive for your application.

Kisling offers a wide range of suitable adhesives – whether high temperature resistance, long curing time or accelerated curing is required. Kisling will happily support you during your project implementation.

## 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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## Adhesives for Lightweight Materials & Composites



**BONDING +  
SEALING +  
ENCAPSULATION**

**Kisling**

MEMBER OF THE WÜRTH GROUP

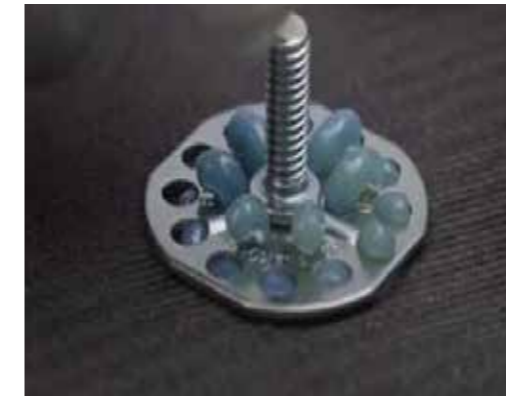
BONDING + SEALING + ENCAPSULATION  
LIGHTWEIGHT MATERIALS | COMPOSITES

# Application Areas, Key Products & Success Stories

## Application Areas & Key Products



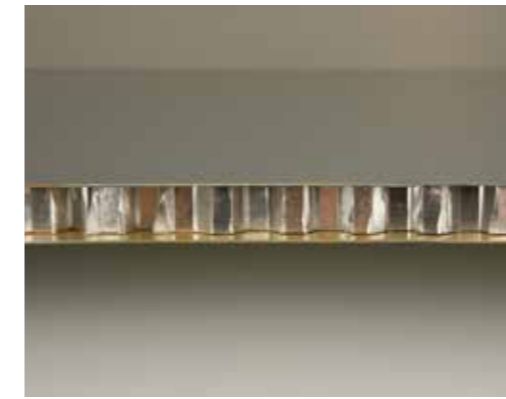
Composite & Composite



Composite & Metal



Composite & Plastic



Sandwich panels

### EPOXY

**ergo 7430**  
grey, high viscosity, high strength,  
EN45545-2 approved

**ergo 7440**  
black, pasty, high temperature resistance,  
EN45545-2 approved

**ergo 7490**  
black, pasty high temperature resistance,  
impact resistant, EN45545-2 approved

### ACRYLATE

**ergo 1665**  
non-sag, fast curing,  
high elongation at break

**ergo 1675**  
non-sag, fast strength build-up, low odour,  
EN45545-2 approved

**ergo 1680**  
non-sag, medium cure speed,  
fast strength build-up, very low odour,  
EN45545-2 approved

## Success Stories & Customer Benefits



**Project:** Plastic holder  
(ABS-CFRP)

**Product:** ergo 1665

**Benefit:** Fixture time saving of 20%  
due to very fast strength build-up of  
the adhesive



**Project:** Golf club  
(chrome plated steel-CFRP)

**Product:** ergo 7420

**Benefit:** Long open time for correct  
alignment (shaft-club head)



**Project:** Sports car - visible exterior part  
(CFRP-CFRP)

**Product:** ergo 7440

**Benefit:** Invisible glue line (no BLRT), no  
post processing required



**Project:** Holder on medical device

**Product:** ergo 1675

**Benefit:** Inline quality control:  
Colour change of adhesive indicates  
initial strength



**Project:** Cable bushing  
(GFRP-Metal)

**Product:** ergo 7430

**Benefit:** 30 % faster cure and thus  
quicker dryness of surface - import-  
ant for post processing (polishing)



**Project:** Sensor bonding in a wind  
blade

**Product:** ergo 1665

**Benefit:** Fast handling strength and  
curing, also at lower temperatures

### KISLING

+ Manufacturer of adhesives, sealants and  
encapsulants  
+ > 50 employees worldwide  
+ > 40 distributors in more than 25 countries

+ Revenue 2020: 20 Mio. CHF  
+ > 200 products  
+ Swiss made