



Kisling

Kisling offers a wide range of adhesive technologies for magnet bonding, securing & sealing of housings as well as encapsulants for E-Motors, power electronics, high-voltage batteries and charging stations

Our products are characterized by various temperature resistances, viscosities, curing times, thermal conductivity as well as flexibilities.

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

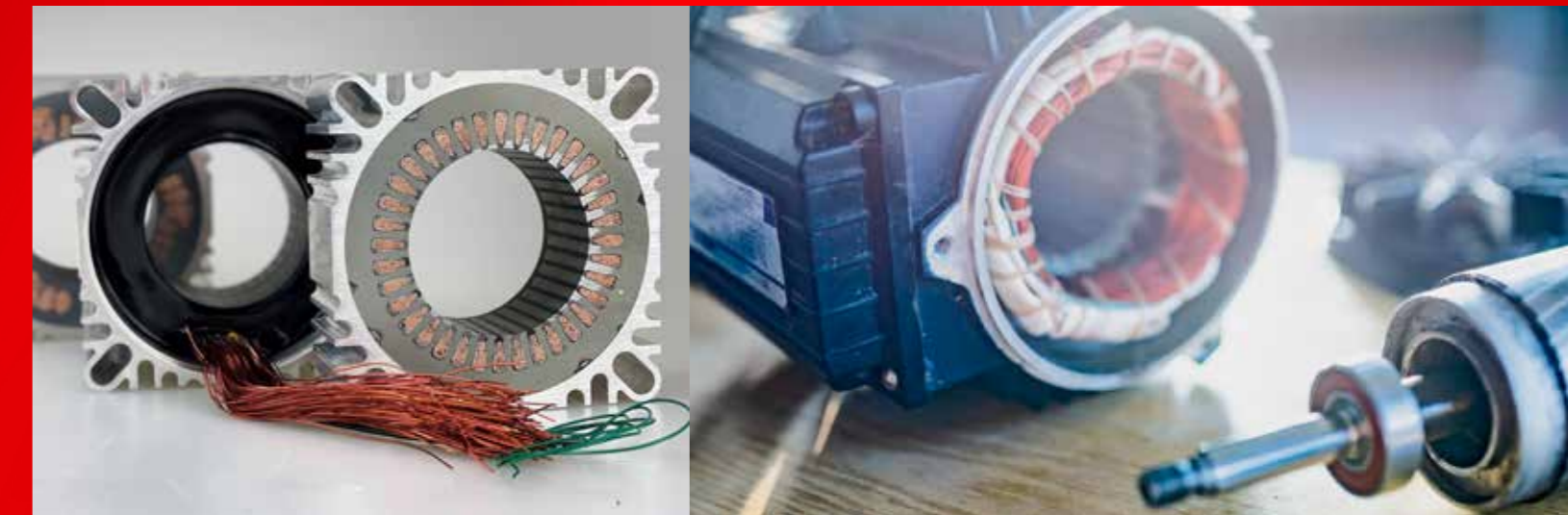
Kisling AG | Motorenstrasse 102 | CH-8620 Wetzikon
Tel +41 58 272 01 01 | info@kisling.com | www.kisling.com

Kisling Deutschland GmbH | Salzstraße 15 | DE-74676 Niedernhall
Mailaddress: Otto-Lilienthalstraße 33 | DE-71034 Böblingen
Tel +49 8171 99982 30 | info@kisling.com | www.kisling.com

06_2022 | 14491305



Adhesives and Encapsulants for E-Mobility



**BONDING +
SEALING +
ENCAPSULATION**

Kisling

MEMBER OF THE WÜRTH GROUP

BONDING + SEALING + ENCAPSULATION
E-MOBILITY

Application Areas, Key Products & Success Stories

Application Areas & Key Products

Adhesives



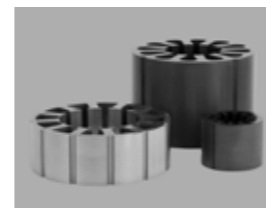
Bonding of permanent magnets



Securing of bolts and nuts motor housing assembling



Bonding of sheet metal packages, commutators and bearings



Bonding of electrical steel laminations

ANAEROBIC

4451
fast curing, high strength, NSF certified

4453
fast curing, temp. resistant, high strength, DVGW & NSF certific.

4920
Activator(solvent free)

EPOXY

7440
black, pasty, high temperature resistance

ACRYLATE

1039/1090
no-mix, medium viscosity, very fast curing, impact resistant

1320
fast curing, high strength, low odour

1810
non-sag, high impact resistance, low odour, good bonding to metal, ferrite, glass, ceramic

DUAL CURING

2453
dual-cure, low viscosity, temperature resistant, high strength

Encapsulants



Electrical Motor



Power Electronics



High-Voltage Batteries



Charging Stations

POLYURETHANE CMR-FREE VERSIONS AVAILABLE

8503 + 8901
Thermal conductivity of 1.5 W/mK, low-viscosity, UL94-V0, medium hardness

8513 + 8973
Thermal conductivity of 2.6 W/mK, self-levelling, UL94-V0

8519 + 8973
Thermal conductivity of 3.5 W/mK, self-levelling, UL94-V0

EPOXY

7500 + 7920
Thermal conductivity of 1.2 W/mK, self-levelling, good chemical resistance, cold curing

GAPFILLER

8791 + 8991
1:1 mixing ratio, good flowability, 1.0 W/mK

8792 + 8992
1:1 mixing ratio, Bridges gaps, 2.0 W/mK

8793 + 8993
1:1 mixing ratio, easy to apply, 3.0W/mK

1K PASTE CMR-FREE

8702
Thixotropic, non-drying, 2.0 W/mK, silicone-free

8704
High temperature resistance, silicone-free, 3.5 W/mK

Success Stories & Customer Benefits



Projekt: Bonding of pocket magnet

Produkt: 2453

Nutzen: Fixture time saving of 66 % due to very fast UV curing



Projekt: Magnet bonding retarder

Produkt: 1039/1090

Nutzen: First handling strength already after 30 seconds



Projekt: Permanent magnet in motor housing

Produkt: 7440

Nutzen: Gap filling of 5 mm due to large magnets



Projekt: Stator Encapsulation (Industrial Motor)

Produkt: 7500 + 7920

Nutzen: Increase of e-motor efficiency due to lower peak temperatures



Projekt: Encapsulation of Rotor Positioning Sensor

Produkt: 8500 + 8973

Nutzen: Very good flow properties and low density despite high thermal conductivity



Projekt: Battery casting of Accumulaor Machine

Produkt: 8605 + 8973

Nutzen: Improved thermal management during operation and charging phase

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