

# havasis

**ÇÖZÜMÜN  
İLK ADI**



Kurumsal & Ürünler

[havasis.com.tr](http://havasis.com.tr)



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## Kisling

**HOPARLÖR  
İMALATI  
UYGULAMLARI**



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**Kisling**

Kisling has an extensive range of adhesives that fully meet the requirements of the loud-speaker industry. Our development department reacts quickly and competently to new requirements and material combinations with modifications or new developments. This makes Kisling an ideal partner for every loud-speaker manufacturer.

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# 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)Acrylate structural adhesives
  - Epoxy structural adhesives
  - Anaerobic adhesives
  - Cyanoacrylate instant adhesives
  - Silicones
- + Encapsulants:
  - Polyurethane
  - Epoxy



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# Adhesives for Loudspeakers



**BONDING +  
SEALING +  
ENCAPSULATION**

**Kisling**

MEMBER OF THE WURTH  GROUP

[www.havasis.com.tr](http://www.havasis.com.tr)

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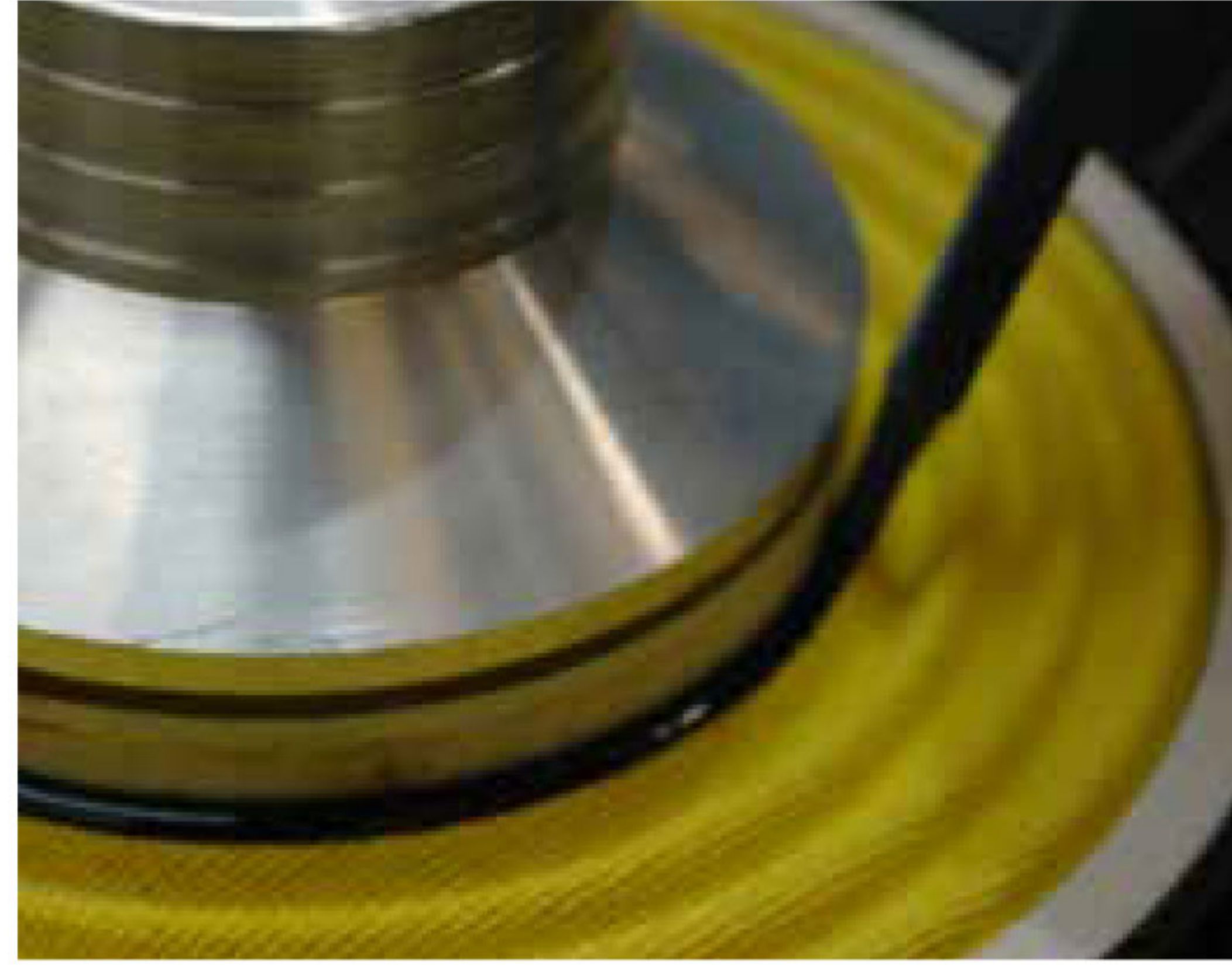
**BONDING + SEALING + ENCAPSULATION**  
**LOUDSPEAKERS**

# Application Areas, Key Products & Success Stories

# Application Areas & Key Products



**Bonding of pole plate, ferrite ring, front plate and basket**



**Bonding of damping with voice coil**



**More bonding areas**



**Bonding of dust cap with membrane**

## METHACRYLATE

**1307**

medium viscosity, fast curing, impact resistant, low odour

**1315**

very fast curing, high strength, low odour

**1320**

fast curing, high strength, low odour

**1810**

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

## CYANOACRYLATE

**5011**

Universal, for «surface-insensitive»

**5713**

medium viscosity, especially for porous materials

**5880**

black, medium viscosity, water and temperature resistant, impact resistant

**5923**

medium to high viscosity, low odour

# Success Stories & Customer Benefits



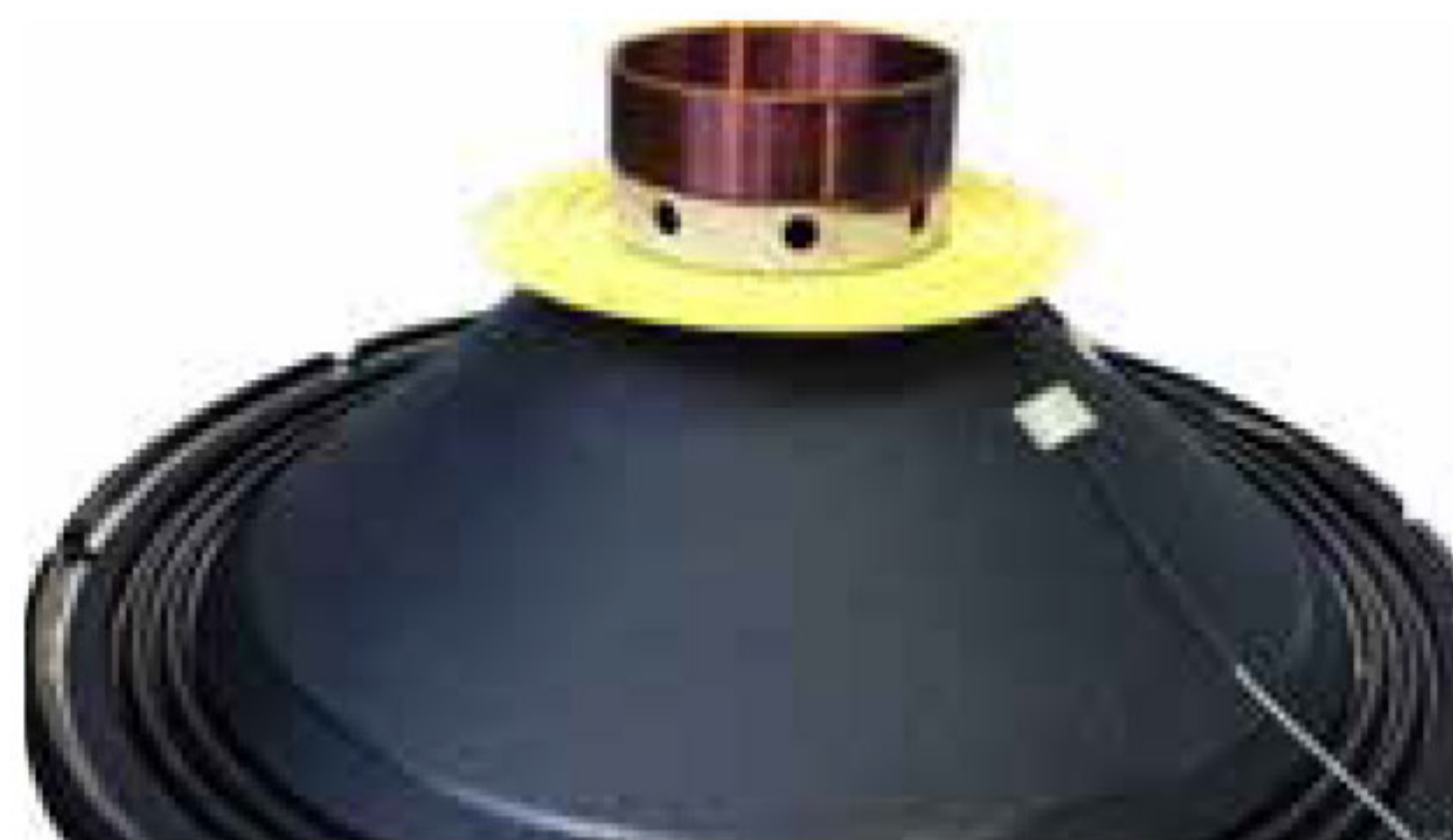
**Project:** Bonding of magnets

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**Product:** 1320

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**Benefit:** Mixing ratio 1:1 - safe for automatic dosing



**Project:** Bonding of damping with voice coil and membrane

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**Product:** 1307

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**Benefit:** 30 % gain in time by fast strength build-up after pot life



**Project:** Bonding of rubber gasket

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**Product:** 5923

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**Benefit:** Suitable for porous materials, no whitening, no post-processing

## KISLING

- + Manufacturer of adhesives, sealants and encapsulants
- + > 70 employees worldwide
- + > 40 distributors in more than 25 countries

- + Revenue 2024: 25 Mio. CHF
- + > 200 products
- + Swiss-made



## ÇÖZÜMÜN İLK ADI

Mersinli 2823/1 No: 2/130 Konak / İzmir



Sipariş & Danışma Hattı

**0549 449 3535**

ONLINE ALIŞVERİŞ

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