



## Your KRASO® contacts for daily business

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Download the  
KRASO Catalogue

## WATER PRESSURE TIGHT INSTALLATION PARTS FOR CONCRETE ENGINEERING SEALING SOLUTIONS FOR CABLES + PIPES

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## KRASO® Magnetic Cover for pipe penetrations DN 110

THE MAGNETIC INTERFACE FOR PRECAST WALLS



NEW BUILDING



## KRASO® Magnetic Cover for pipe penetrations DN 110

### THE MAGNETIC INTERFACE FOR PRECAST WALLS

Special challenges must be taken into account for waterproof concrete structures in pressurised water. In addition to in-situ concrete construction, building with precast walls as waterproof concrete structures has also become established. Consistent quality and rapid construction progress are just two of the many advantages here. Regardless of whether in-situ concrete or precast elements are used, all points where pipes or cables penetrate the components pose a challenge.

Here, precautions must be taken against water penetration by means of pipe penetrations with waterproof sealing. These pipe penetrations are currently glued manually to the moulding tables in precast element factories using installation covers. This work is labour-intensive and risky due to incorrect positioning. The new **KRASO® Magnetic Cover** with magnetic interface for **KRASO® Pipe Penetrations** provides a solution. Using formwork robots, the magnet can also be positioned automatically with millimetre precision for pipe penetrations, and the pipe penetration can be clicked onto the formwork of the outer shell via the cover with magnetic interface. When the precast wall is turned over, the magnet remains on the formwork and the magnetic cover remains in the pipe penetration as protection.



**KRASO®**  
Magnetic Cover-  
advantages

- + Especially for precast element factories!
- + **KRASO® Magnetic Cover** available for **KAISER** and **PRIMO** magnetic systems!
- + Suitable for all pipe penetrations in DN 110
- + Enables precise, machine-controlled positioning on the switching table
- + Eliminates labour-intensive manual positioning and helps to avoid errors
- + Once completed, the **KRASO® Magnetic Cover** remains in the pipe penetration as protection

**KRASO®**  
Magnetic Cover  
System  
KAISER



**KRASO®**  
Magnetic Cover  
System  
PRIMO



NEW BUILDING  
KRASO®  
4 Seal  
10  
bar

Rn  
Radon-  
tight

WU  
1+2



## KRASO® Pipe Penetrations Approved and made of solid wall material

- + **KRASO® 4 Seal** – MPA-tested up to 10 bar!
- + IAF-tested : radon-tight
- + Made of dimensionally stable and pressure-resistant solid wall material: low abrasion, easy installation even at low temperatures
- + In accordance with DIN EN 1401 (KG) or DIN EN 14758 (KG 2000)
- + Also available in KG 2000: polypropylene (PP), mineral-filled, smooth walls, long-lasting
- + Formed plug-in sleeve on both sides, for connection to KG / HT pipes
- + Also available as thermally insulated wall penetration!
- + Also available as wall penetration for precast walls!
- + DafStB waterproof concrete guideline: stress class 1 + 2



**KRASO®**  
Wall Penetration  
Type DFW 4



**KRASO®**  
Wall Penetration  
Type DFW 6



**KRASO®**  
Wall Penetration  
Type DFW 8

All  
pipe penetrations  
also available in  
KG 2000!