

# Technical Datasheet

## Curil® K2 –

The non-hardening, temperature-resistant sealing compound



### **Description and typical applications**

Curil® K2 is a soft, pasty, non-hardening sealing compound based on synthetic resin for a variety of processing applications. It can be used to seal internal combustion engines, transmissions, pumps and other equipment assemblies, preferably with flat, finely finished surfaces, for example at the joints of aircraft engines and special engines, cylinder bases, housings and threaded connections. When sealing threaded connections, the effect on the friction coefficient must be taken into account.

| <i>Characteristic</i>          | <i>value   range   unit   method</i>                                                                                                          |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Temperature stability          | -40°C to +200°C (233 K to 473 K)                                                                                                              |
| Resistance                     | resistant to mineral oils (also with additives), petrol and diesel fuels, cold and hot water, seawater, gases, air and weak acids and alkalis |
| Boiling point/range            | approx. 78°C                                                                                                                                  |
| Flash point                    | 17°C                                                                                                                                          |
| Vapor pressure at 20°C         | 58 mbar (prEN 13016-1)                                                                                                                        |
| Density at 20°C                | 1.04 g/cm <sup>3</sup>                                                                                                                        |
| Compacted bulk density         | not applicable                                                                                                                                |
| Viscosity at 20°C              | 1200 – 1800 mPas                                                                                                                              |
| ph value (corrosion behaviour) | neutral                                                                                                                                       |
| Electrical properties          | insulating                                                                                                                                    |
| Compatibility                  | with paper, Abil®, EWP and other soft sealing materials, rubber materials, cork, pressed synthetic resin parts and all metals                 |

# Elring Sealing Compound Curil® K2



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## Physical/chemical characteristics

|       |                 |
|-------|-----------------|
| State | viscous         |
| Color | yellowish brown |
| Odor  | ethyl alcohol   |

## Application and processing

When the parts are initially assembled, it is sufficient to apply Curil® K2 to clean, machined or formed and, above all, grease-free surfaces. If the surfaces are being repaired, they must be thoroughly cleaned and degreased with white spirit prior to sealing. A thin coating of Curil® K2 should be applied using a brush, an Instant Box or similar dosing system. The surfaces should be left for approx. 5 to 10 minutes before being fit together and pressed. The parts can also be left for much longer before assembly if desired. Always close the container tightly after use.

**Note:** If too much sealing compound is applied, it can drip into the interior.

## Warning

Keep out of reach of children.

|                      |                                     |
|----------------------|-------------------------------------|
| Thinner              | with ethyl acetate                  |
| Application quantity | approx. 0.1 – 0.2 ml/m <sup>2</sup> |

## Storage

|            |                                             |
|------------|---------------------------------------------|
| Storage    | store in a cool, dry place                  |
| Shelf life | at least 24 months in an unopened container |

## Identification

|                                                   |                       |
|---------------------------------------------------|-----------------------|
| GefStoff<br>(regulations on hazardous substances) | F, highly inflammable |
|---------------------------------------------------|-----------------------|

| Form of supply       | Contents | Elring no. | Original pack |
|----------------------|----------|------------|---------------|
| Sales box with tubes | 75 ml    | 532.215    | 10 pieces     |
| Cans                 | 500 ml   | 534.714    | 12 pieces     |
| Pot with brush       | 250 ml   | 534.501    | 24 pieces     |
| Bucket               | 5 l      | 036.129    | 1 piece       |
| Bucket               | 10 l     | 532.550    | 1 piece       |

Larger containers on request

All information contained in this datasheet is based upon the extensive experience of the seller. However, no liability can be undertaken. Since the particular circumstances of each individual case determine the success of the sealing, the data provided here applies in general and not for individual cases. Dirko® K2 is a registered trademark of ElringKlinger AG.



Das Original

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