

The sealing compound range from Elring



G O O D E X P E R I E N C E

Elring Service

Sealing Compounds



Das Original

*All you need,
from a single source.*

Elring – your service partner for professional engine repairing. We supply complete gasket sets, gaskets, accessories and a wide range of sealing compounds for cars, commercial vehicles, motorcycles, for motor racing and water sports, and for many other applications. And of course in the original Elring quality – from ElringKlinger, one of the world's leading development partners and series suppliers for the automotive industry.

Worldwide, millions of vehicles are driving around with ElringKlinger technology – and doing very well with it. Our success in the spare part sector is based upon the innovative force and expertise of ElringKlinger for original equipment: For years the traditional Elring brand has stood for maximum safety, service and reliability.

Thanks to its presence in over 140 countries, the Elring service team ensures ready availability of the complete Elring assortment. And workshops, trade partners and drivers around the globe have had good experience with Elring products:
Gasket sets | cylinder-head gaskets | special-purpose gaskets | oil seals | valve-stem seals | cylinder-head bolts | sealing compounds | sealing materials

Good Experience – Sealing with Elring

*Elring gaskets and gasket sets
for professional repairing.*



*Cylinder-head bolts for nearly
all cars and trucks.*



*Heavy-duty sealing compounds
for lasting safety.*



Elring service *at a glance.*

Range geared to needs | innovative products | original quality | global presence | ready availability | active sales promotion | electronic catalogs (E-KAT, TecDoc) | ordering via TecCom | technical advice | technical training | Elring hologram as a symbol of quality

Elring sealing compounds – *for lasting safety.*

Uncompromisingly sealed: Wherever components have to be sealed reliably, Elring provides an assortment of heavy-duty sealing compounds for the professional and the "do-it-yourself" handyman, proven millions of times over. Elring sealing compounds fulfill the most demanding of requirements for reliability, temperature and media resistance and processing convenience. So you are always on the safe side when it comes to sealing.

Important

In order to achieve the optimum sealing effect, it is important to clean and dry the sealing surfaces of dirt, grease, and oils prior to the application of sealing compounds.

Please remember not to apply an excessive amount of the sealing compound, since it is otherwise transmitted to the inside of the engine. This might have an impact on its functionality and result in damage (e.g. oil supply).

Oil seals in various designs and sizes.



Electronic catalog on CD-ROM.



Car repair shops and trading partners throughout the world rely on Elring.



The Elring hologram: Symbol of quality and protection from product forgeries.

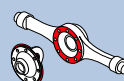
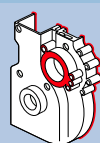
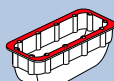
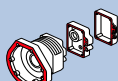
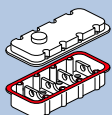
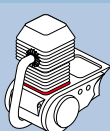


Sealing compounds – the right solution for every repair situation

Product data

	Sealing compound types								
	Curil	Curil K2	Curil T	Dirko	Dirko Special Silicone	Dirko HT	Dirko-S Profi Press HT	AFD 2000	AFD 2018
Compatible with:									
- Abil, EWP and other soft materials	+	+	+	+	+	+	+	-	-
- pressed synthetic resin parts, cork	+	+	+	+	+	+	+	-	-
- all metals	+	+	+	+	+	+	+	+	+
- rubber materials	-	-	-	+	+	+	+	-	-
Resistant to:									
- mineral oils (also with additives)	+	+	+	+	+	+	+	+	+
- petrol and diesel fuels	+	+	+	-	-	-	-	+	+
- hot and cold water, seawater	•	•	•	•	•	•	•	•	•
- gases and air	•	•	•	•	•	•	•	•	•
Curing	•							•	•
								anaerobic	anaerobic
Non-curing		•	•						
Permanently elastic				•	•	•	•		
Temperature resistant	-40°C +180°C	-40°C +200°C	-40°C +250°C	-50°C +180°C	-50°C +180°C	-50°C +250°C short-term up to +300°C	-50°C +250°C short-term up to +300°C	-55°C +150°C	-55°C +180°C
Time before joining 5–10 min.	•	•	•						
Skin formation time approx. 5–10 min.				•	•	•	•		
Δ Max. fillable gap	0.1 mm	0.1 mm	0.1 mm	2 mm	2 mm	2 mm	2 mm	0.3 mm	0.5 mm
Storage: cool and dry, between +5°C to +25°C	•	•	•	•	•	•	•	•	•
Shelf life in unopened container – at least (in months)	24	24	24	12	12	12	18	12	12

+ good | • adequate | - inadequate



Note: For technical and safety data sheets, please visit www.elring.de

Applications

	Sealing compound types								
	Curil	Curil K2	Curil T	Dirko	Dirko Special Silicone	Dirko HT	Dirko-S Profi Press HT	AFD 2000	AFD 2018
Sealing without dismantling	—	—	—	•	•	•	•	—	—
Cover plate	•	•	•	+	+	+	+	•	•
Axles	—	—	—	+	•	•	•	—	—
Intake system	—	•	•	+	+	+	+	—	—
Differential housing	•	•	•	+	•	•	•	—	—
Various flange connections	•	+	+	+	+	+	+	•	•
Injection pump	+	•	•	•	•	•	•	—	—
Gearbox housing	—	•	•	+	+	+	+	—	—
Threaded connections	—	•	•	•	—	—	•	•	•
Boiler construction	—	—	—	—	—	+	+	—	—
Hobbies and DIY	—	—	—	+	+	+	+	—	—
Cable and pipe penetrations	—	—	—	+	+	+	+	—	—
Fuel and oil pumps	+	•	•	—	—	—	—	•	•
Crankcase	•	•	•	•	+	•	+	•	•
Air compressor	•	•	+	•	•	•	•	+	+
Camshaft carrier	—	—	+	—	—	—	—	+	+
Oil pan	—	—	—	+	+	+	+	—	—
Retarder	—	—	—	—	—	+	+	—	—
Headlights, rear and turn indicator lamps	—	—	—	+	+	+	+	—	—
Side cover	—	•	•	+	+	+	+	•	•
Timing case	•	+	+	•	•	•	•	+	+
Thermostat	•	•	•	+	+	+	+	—	—
Valve cover	•	•	•	+	+	+	+	•	•
Carburetor	+	—	•	—	—	—	—	—	—
Water pump	•	•	•	•	•	+	+	—	+
Cylinder base	—	—	+	•	•	+	+	—	—
Cylinder liner	—	—	—	◦+	—	—	—	—	—

◦ Use Dirko transparent

+ good | • adequate | — inadequate

(Curil® and Dirko® are registered trademarks of ElringKlinger)

All data specified above has been compiled with great care on the basis of our extensive experience. However, no liability can be undertaken, since sealing can only be successful if the particular circumstances of each individual case are taken into account.

Permanently sealed for demanding requirements



Curil

The curing, temperature-resistant, synthetic resin-based sealing compound for permanent tight seals.

Temperature stability: -40°C to +180°C.

Even under extreme conditions, Curil guarantees a reliable tight seal. Curil is ideal for sealing surfaces which rarely or never have to be separated. Its liquid form ensures straightforward and rapid application. Curil can be used on its own or in conjunction with flat gaskets made of soft materials or metal. Its resistance to mineral oils (also with additives), gasoline and diesel fuels, hot and cold water, gases, air and weak acids and alkalis makes Curil the standard sealing compound with optimum efficiency.

Application

Clean and degrease the sealing surfaces. Apply Curil thinly and leave for 5 – 10 minutes before fitting the parts together.

Processing temperature: +5°C to +30°C.

		<i>Erling No.</i>	<i>Original package</i>
Dosing tube	50 ml	035.971	50 tubes
Display with 10 10 dosing tubes of	50 ml	036.005	1 display
Pot with brush	125 ml	036.080	24 pots
Pot with brush	250 ml	036.099	24 pots
Can	750 ml	036.048	10 pots
Bucket	10,0 l	036.064	1 bucket



Curil K2

The non-curing, temperature-resistant, synthetic resin-based sealing compound.

Temperature stability: -40°C to +200°C.

In engine maintenance many sealed joints are required above all to be easily separable or disassembled. Curil K2 meets this requirement: it does not cure. Curil K2's low viscosity makes it ideal for sealing finely finished and superfinished components whose prescribed tolerances are not allowed to be changed. Joints sealed with Curil K2 remain leak proof under mechanical, chemical and thermal loads and yet are still easy to separate. These special advantages mean that Curil K2 can be used for joints between identical or different metals, threaded seals, etc. Curil K2 is resistant to mineral oils (also with additives), greases, hot and cold water, seawater, gases and air.

Application

Clean and degrease the sealing surfaces. Apply Curil K2 and leave for 5 – 10 minutes before fitting the parts together.

Processing temperature: +5°C to +30°C.

		<i>Erling No.</i>	<i>Original package</i>
Dosing tube	75 ml	532.215	10 tubes
Pot with brush	250 ml	534.501	24 pots
Can	500 ml	534.714	12 cans
Bucket	5,0 l	036.129	1 bucket



Curil T

The non-curing, high-temperature resistant, synthetic resin-based, universal sealing compound for permanently hot service conditions.

Temperature stability: -40°C to +250°C.

Seals on exhaust turbochargers: "hot" operation, high temperatures. Curil T's outstanding sealing efficiency makes it ideal for joints which are subjected to extreme thermal conditions, and especially for finely finished, rigid surfaces. Curil T's other special areas of application include internal combustion engines, transmissions, turbines, generators, pumps and threaded connectors. Curil T is resistant to mineral oils (also with additives), most commonly used synthetic oils and greases, gasoline and diesel fuels, hot and cold water, seawater, gases, air and weak acids and alkalis. Curil T is designed for stability and is therefore well-suited to sealing vertical surfaces.

Application

Clean and degrease the sealing surfaces. Apply Curil T thinly and leave for 5 – 10 minutes before fitting the parts together (they can still be joined after several hours or even days if desired).

Processing temperature: +5°C to +30°C.

		<i>Elring No.</i>	<i>Original package</i>
Dosing tube	75 ml	246.948	10 tubes
Can	750 ml	252.867	10 cans



Permanently sealed for demanding requirements



Dirko

The permanently elastic, temperature-resistant, silicon-based, universal sealing compound.

Temperature stability: -50°C to +180°C.

This extremely versatile, high-strength sealing compound seals surfaces, gaps and cracks reliably, even where there is movement. Dirko's viscosity and absolutely permanent elasticity rapidly stop leakage of oil, water and air. Even structural parts with hairline cracks are made functional again within minutes. Dirko is resistant to ozone, sunlight, extreme weather conditions, hot and cold water, seawater, greases, mineral oils (also with additives), aliphatic hydrocarbons, detergents and numerous chemicals. These advantages make Dirko equally suitable for use on its own, as a sealant applied from the exterior between surfaces without disassembly, or in combination with flat gaskets.

Application

Carefully remove any existing sealant residues using a plastic spatula. Clean and degrease the sealing surfaces. Apply Dirko. Skin formation time: approx. 5 – 10 minutes. "Wet-in-wet" assembly, i. e. the parts are joined immediately before a skin begins to form, ensures instant sealing.

Processing temperature: +5°C to +30°C.

	Elring No. Original package		
Tube, long and short conical nozzles and tube key	70 ml	036.161	10 packages
Cartridge, transparent	310 ml	216.917	10 cartridges
Cartridge, grey	310 ml	610.020	10 cartridges

Dirko Spezial-Silikon | beige

The permanently-elastic, silicon-based, special sealing compound.

Temperature stability: -50°C to +180°C.

This sealing compound was developed especially to seal oil pans and housing covers. Dirko Special Silicone (beige) is particularly well suited for sealing surfaces, gaps and cracks on components that are subjected to deformation in operation. In contrast to other silicone sealing compounds, this compound is significantly harder after the vulcanization/curing time. Thanks to this unique characteristic, the sealant does not tear off the component, even when subjected to heavy dynamic stress.

Application

Carefully remove any existing sealant residues using a plastic spatula. Clean and degrease the sealing surfaces.

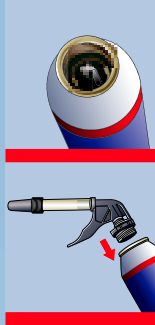
Apply the sealing compound on one side, not too thickly.

Immediately after applying the sealing compound fit the oil pan and tighten the bolts to the specified torque.

Wait about 30 minutes before filling the pan with oil and starting up the vehicle.

Processing temperature: +5°C to +30°C.

	Elring No. Original package		
Tube, long and short conical nozzles and tube key	70 ml	030.790	10 tubes



Dirko HT

The permanently elastic, silicon-based, high-temperature resistant, high-performance seal in a tube.

Temperature stability:

-50°C to +250°C (kurzzeitig bis +300 °C).

Dirko HT unites the advantage of Dirko's extreme strength with an extra plus – high-temperature resistance (HT). It can be used without any problem for “extremely hot” sealing joints where permanent temperatures of +250°C occur. Joints sealed with Dirko HT can even withstand short-term temperatures of up to +300°C without damage.

Application

Carefully remove any existing sealant residues using a plastic spatula. Clean and degrease the sealing surfaces. Apply Dirko HT. Skin formation time: approx. 5 – 10 minutes. “Wet-in-wet” assembly, i. e. the parts are joined immediately before a skin begins to form, ensures instant sealing.

Processing temperature: +5°C to +30°C.

	Elring No. Original package		
Tube, long and short conical nozzles and tube key	70 ml	705.705	10 tubes
Cartridge	310 ml	465.763	10 cartridges

Dirko-S Profi Press HT

The heavy-duty, silicon-based, permanently elastic sealing compound.

Temperature stability:

-50°C to +250°C (kurzzeitig auch +300 °C).

High-performance, permanently-elastic and neutral silicone systems with good bonding and adhesive strength. For engines, transmissions, chassis and bodies. Ideal for use on modern high-performance engines. Curing times: approx. 4 mm in 24 hours – for faster readiness to use. Also for the production of individual seals sprayed on directly.

- Does not corrode on aluminum alloys, making it ideal for modern light-alloy engines
- Resistant to ozone, extreme weather conditions, hot and cold water, salt water, greases and mineral oils (also with additives), aliphatic hydrocarbons and detergents, weak acids and alkalis, and many other chemicals.

Application

Carefully remove any existing sealant residues using a plastic spatula. Clean and degrease the sealing surfaces. Apply easily to the targeted spot using the pressurized nozzle system and follow the contour precisely.

Processing temperature: +5°C to +30°C.

	Elring No. Original package		
Pressurized aluminum spray can	200 ml	129.400	12 cans
Replacement nozzle		131.000	10 cans



Sealing means putting up with a lot



AFD 2000

Anaerobic surface seal – green.

Temperature stability: -55°C to +150°C.

AFD 2000 is a solvent-free, low-viscosity sealing compound. It is ideal for sealing torsion-resistant metal parts with a level, plane sealing face, for example on housings and bearing covers or on flanges used in engines, transmissions and mechanical equipment. A sealing film, resistant to chemicals and temperature variations, forms and cures without air by making metal contact between the two parts that must be joined. The parts can nevertheless be separated again easily. Unlike with conventional flat gasket materials, none of the bolt force is lost as a result of the material “settling” when direct contact is made between metallic surfaces. Pressures up to approximately 5 bar are reliably sealed immediately after assembly. The maximum pressure tightness is achieved after around 24 hours when the sealant is fully cured.

Application

Clean and degrease the sealing surfaces with spirit or similar solvent. Apply AFD 2000 to the complete sealing surface on one side by squeezing the plastic bellows bottle, then fit the two parts together. There is no need to allow any drying time. The sealing effect is instant. The degree of curing depends on the gap width.

Processing temperature: +5°C to +30°C.



AFD 2018

Anaerobic surface seal – red.

Temperature stability: -55°C to +180°C.

AFD 2018 is a solvent-free, low-viscosity sealing compound. It is ideal for sealing torsion-resistant metal parts with a level, plane sealing face, for example on housings and bearing covers or on flanges used in engines, transmissions and mechanical equipment. A sealing film, resistant to chemicals and temperature variations, forms and cures without air by making metal contact between the two parts that must be joined. The parts can nevertheless be separated again easily. Unlike with conventional flat gasket materials, none of the bolt force is lost as a result of the material “settling” when direct contact is made between metallic surfaces. Pressures up to approximately 5 bar are reliably sealed immediately after assembly. The maximum pressure tightness is achieved after around 24 hours when the sealant is fully cured.

Application

Clean and degrease the sealing surfaces with spirit or similar solvent. Apply AFD 2018 to the complete sealing surface on one side by squeezing the plastic bellows bottle, then fit the two parts together. There is no need to allow any drying time. The sealing effect is instant. The degree of curing depends on the gap width.

Processing temperature: +5°C to +30°C.

		Elring No.	Original package
Plastic bellows bottle	50 ml	777.790	10 bottles

		Elring No.	Original package
Plastic bellows bottle	75 ml	461.680	10 bottles

“All in one” – do-it-yourself sealing



Service kit

The individual solution.

For solving individual do-it-yourself sealing problems on the engine, transmission, chassis or similar areas.

Contents

Sealing materials (format 210 x 300 mm):

Abil	0.5 mm
Abil	1.00 mm
EWP 207	0.75 mm
FW 522 (metal-soft material)	1.25 mm
Dirko-S (black)	20 ml

	Elring No.	Original package
Service kit	447.100	1 kit



Set of sealing compounds

The individual solution for small requirements.

With the three sealing compounds Curil T, Dirko HT and Dirko S. For numerous applications, e. g. engines, transmission shafts and chassis. Suitable for use in passenger cars, trucks, motor-cycles, vintage cars, agricultural machines, boat engines, small engines of all kinds and do-it-yourself applications.

All advantages combined into one set

- Optimum sealing of surfaces and precision parts with no need for disassembly (Dirko-S, Dirko HT)
- Safe to use and simple to work with
- Parts can be cleaned quickly and easily if disassembled (Curil T)
- All sealing compounds are CFC-free and gentle on the environment

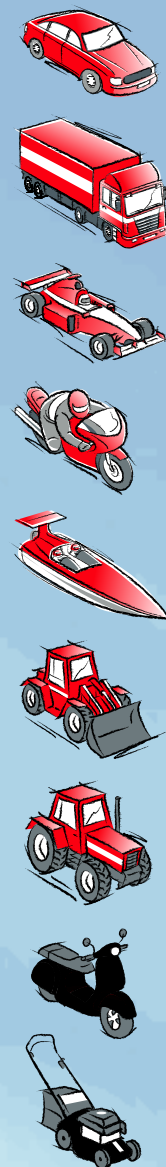
Application

See Curil T, Dirko HT and Dirko S.

Contents

Curil T	20 ml	-40°C ... +250°C
Dirko-S	20 ml	-50°C ... +180°C
Dirko HT	20 ml	-50°C ... +250°C
short-term: up to +300°C		

	Elring No.	Original package
Set of sealing compounds	447.201	10 Stück





The information provided in this brochure, based upon many years' experience and knowledge, does not claim completeness. No liability is assumed for damage claims on the basis of this information. All parts must be installed by trained and specialized staff. Product range and technical data specifications subject to modification. No liability assumed for errata.



Das Original

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