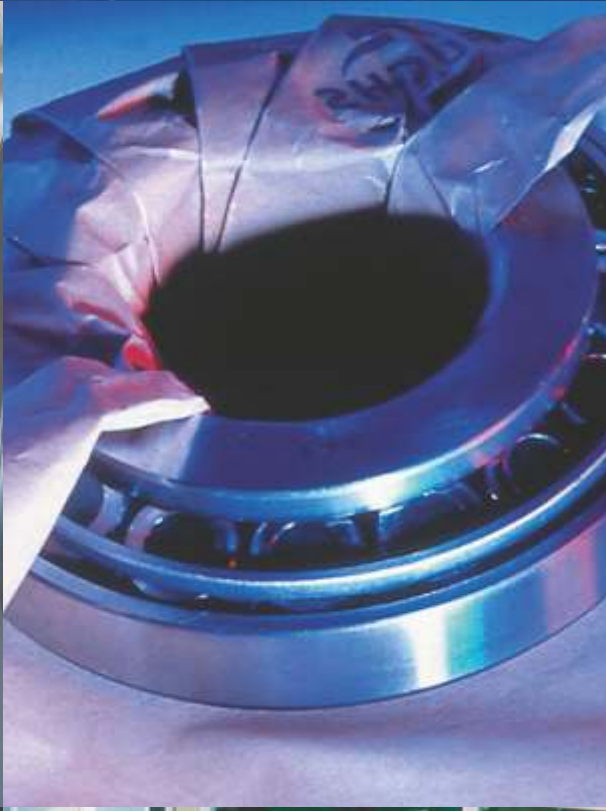


# ANTICORIT

## CORROSION PROTECTION



LUBRICANTS.  
TECHNOLOGY.  
PEOPLE.



# LUBRICANTS. TECHNOLOGY. PEOPLE.

We focus consistently on high-quality lubricants and related specialties.

We develop innovative and holistic solutions for a wide variety of applications.

We value the high level of commitment of our employees and their trusting interaction with one another.



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### Facts and figures

**Company:** FUCHS PETROLUB SE, founded in 1931

**Headquarters:** Mannheim

**Product range:** A full range of over 10,000 lubricants and related specialties

**Industries:** Metalworking, agriculture, forestry, aerospace, power generation, mechanical engineering, construction, transport, steel, metal, bearing, cement industry, automotive industry, OEM, mining, exploration, food industry, glass production sector, casting and forging industry, etc.

**No. of employees:** Over 5,000 worldwide

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FUCHS LUBRICANTS (INDIA) PVT. LTD. is a wholly owned subsidiary of FUCHS PETROLUB SE, the world's largest independent lubricants manufacturer. Founded in 1931 by RUDOLF FUCHS, the group is manufacturing a comprehensive range of lubricants and derived specialties for a wide range of applications.

Our company's degree of specialization and innovation is way above the industrial average in this field. The full product line includes almost thousands of lubricants and derived specialties for all walks of life, industrial processes and applications. Our customers' success is also our success. Because partnership to us means passing on benefits.

And naturally, partnership for us also means providing our customers with competent support. With comprehensive marketing. With high performance logistics. With development of successful service concepts. And qualified consulting. Because together, we can achieve more.

FUCHS lubricants stand for performance and sustainability, for safety and reliability, for efficiency and cost savings. They represent a promise – Technology that pays off.



## Corrosion Protection for Metals

Unprotected, bare metal surfaces lose their elaborated finish quality often due to corrosion, in particular oxidation. This is not only a deterioration of the look-and-feel, but often a loss of proper function.

The ANTICORIT products from FUCHS are temporary corrosion preventives that can be easily removed if necessary without damaging the surfaces to be protected.

ANTICORIT corrosion preventives have been developed under careful consideration of all conditions, both in the laboratory and in practice. They are simple and economical to use and, adapted to the diverse requirements of the practice, are available in a comprehensive product range.

ANTICORIT products offers:

- Outstanding solution for corrosion protection
- Optimal compatibility
- Easy removability
- Economic efficiency
- REACH compliance, etc

## ANTICORIT RP 4107 S & RP 4107 LVI

Thixotropic barium free corrosion preventive oils for coated and uncoated coils and components. Compatible with the entire process sequence and approved by VDA.

Approved by majority of the auto OEMs e.g. VW, OPEL, Mercedes Benz, FORD, Nissan, Renault etc. and used by reputed steel plants e.g. TATA Steel, JSW, POSCO, Essar, Thyssenkrupp, Voestalpine, Arcelormittal, Salzgitter, Flachstahi, SSAB, Bao Steel, Whuan Steel and others. Compatible with electrostatic sprayers, and approved by FARA, DUMA, Peabody and Ravarini.

## ANTICORIT PL SERIES

Barium free thixotropic prelubes, combining excellent corrosion protection properties of ANTICORIT RP 4107 series with outstanding forming performance on all cold rolled coated as well as uncoated steel panels. Approved by VDA and majority of the auto OEMs e.g. Thyssenkrupp, Voestalpine, Arcelormittal, SSAB, TATA Steel, Bao Steel, Whuan Steel and others. Compatible with electrostatic sprayers and approved by FARA, DUMA, Peabody and Ravarini.

## ANTICORIT 03 W C

Barium free thixotropic oil, recommended for protection of deep groove roller bearings. Fulfills the SKF requirement of grease compatibility, removability, and guarantees initial lubrication.

## ANTICORIT TX 8R

Thixotropic viscous paste, recommended for optimum corrosion and wear protection of industrial and automotive chains.

## ANTICORIT RPS / RPO SERIES

Corrosion protection concentrate and also ready-to-use mixtures in white spirit, isoparaffins and oils, for the protection of all metals. Has excellent finger print remover properties. Used for protection of needle bearings and also suitable for corrosion protection in industrial washing machines.

## ANTICORIT DFW / DFO SERIES

Dewatering fluids for rapid water displacement from the substrate after machining operations. Forms thin, waxy/oily, highly effective barrier layer protecting from corrosion. Available with varying active matter contents, to meet requirements at the WIP and for long term sea worthy protection.

## ANTICORIT BW 366

Solvent based, waxy paste, used as concentrate, as well as in diluted form with thinners. Recommended for long term protection of components and for underbody, and cavity protection in automobiles.

## ANTICORIT MKR / WMC SERIES

Watermiscible concentrate, used for cleaning and interim protection of the semi-finished components, bare metals as well as phosphated parts and also for final protection of components requiring very thin and dry films.

## ANTICORIT BGI 15

Low viscosity, high performance, solvent free corrosion protection oil, containing VCI. Offers long term protection for bearings and finished parts. Offers effective protection even if the surfaces are not fully wetted, but the outer packing is undamaged.

## FUCHS Corrosion Preventives

### PRACTICAL APPLICATION RECOMMENDATIONS.

Product	Density, 15°C, g/cc	Kinematic viscosity, @ 40°Cmm <sup>2</sup> /s	Flash point °C,min	Application	Protection time, under proper storage	
					Indoor, months	Outdoor, under shed months
<b>Oil-based corrosion preventives</b>						
ANTICORIT RP 4107 S	0.885	32 ± 4	160	By electrostatic spraying. Dipping, spraying or rolling is possible with heated oil. Applied as mill oil.	8-12	6-8
ANTICORIT RP 4107 LV I	0.86	13 ± 2	130	By spraying as mill oil, or dipping for preservation of components. Recommended for export of CKD parts.	8-10	4-6
ANTICORIT PL 3802 39 S	0.91	60 ± 5	190	By electrostatic spraying preferably, or rolling. Recommended temperature for spraying and filtration is >55°C. Imparts excellent draw characteristics to the coated steel due to its enhanced lubricity, thereby avoiding the necessity for additional oiling at the automobile press shops. Resists fretting corrosion.	12-16	8-12
ANTICORIT RPS 28 N	0.885	28	186	By electrostatic spraying. Spraying or rolling is possible without heated oil. Applied as mill oil.	8 to 12	6 to 8
ANTICORIT PLS 30 N	0.894	28	170	By electrostatic spraying. Spraying or rolling is possible without heated oil. Applied as pre lube oil at mill, due to its improved lubricity impart very good draw characteristics to the coated steel, thereby avoiding the necessity for additional oiling at automobile press shops.	8 to 12	6 to 8
ANTICORIT PL 39 LV 8	0.88	8	110	Blankwash oil, compatible with standard brush & squeeze rollers. Subsequent mild pressing operation can be performed with out any additional oiling	3 to 5	1 to 2
ANTICORIT 03WC	0.91	160 ± 10	160	Dipping and brushing, preferably in heated condition, when used in neat form. Can be sprayed when diluted with solvent, giving sufficient time for drying to allow formation of a non dripping type of film on the component	30-36	12-15
ANTICORIT TX 8 R	0.850 @ 100°C	15 ± 1 @ 100°C	230	Oil temperature to be maintained @70-100°C, for application by dipping or brushing, for non dripping uniform film.	18-24	12-18
ANTICORIT RPO 1001	0.835	8.5	148	By all commonly-used methods such as spraying, dipping and brushing.	12 to 15	6 to 9
ANTICORIT RPO 2001	0.84	15	180	By all commonly-used methods such as spraying, dipping and brushing.	6 to 9	3 to 6
<b>Solvent-based fluids</b>						
ANTICORIT RPS 7601	0.834	8	65	Applied by dipping for mostly needle roller bearings. recommended for intermediate as well as final protection. spraying	8-12	6-8
ANTICORIT BW 366	0.875	Paste @ room temperature	40	Brushing. Also available in aerosol packing. Can be diluted with solvent for spraying	18-24	12-18

Note: Above mentioned are typical values and do not constitute a specification at bottom left or right of page

Product	Density, 15°C, g/cc	Kinematic viscosity, @ 40°Cmm <sup>2</sup> /s	Flash point °C,min	Application	Protection time, under proper storage	
					Indoor, months	Outdoor, under shed months
<b>Solvent-based, dewatering fluids, protection period depending on the respective grade with varying active matter content</b>						
ANTICORIT DFW 6301	0.78	2.6	44-46		upto 18 months	upto 12 months
ANTICORIT DFW 6201	0.77	2.2	44-46		upto 6 months	upto 3 months
ANTICORIT DFW 6101	0.76	1.8	44-46		upto 3 months	upto 1 month
ANTICORIT DFO 6301	0.79	2.7	44-46		upto 18 months	upto 12 months
ANTICORIT DFW 6401	0.829	3.72	44-46		upto 18 months	upto 12 months
ANTICORIT DFW 6402	0.829	3.75	44-46		upto 18 months	upto 12 months
ANTICORIT DFW 7302	0.844	5.85	80-82	Can be applied by dipping, spraying. Components to be kept under packed condition, after sufficient drying time for the film formation	upto 12 months	upto 9 months
ANTICORIT DFW 7303	0.840	6.25	80-82		upto 6 months	upto 3 months
ANTICORIT DFW 8101	0.781	2.4	66		upto 3 months	upto 1 month
ANTICORIT DFW 8301	0.793	3.5	67		upto 18 months	upto 12 months
ANTICORIT DFO 8101	0.779	2.4	66		upto 3 months	upto 1 month
ANTICORIT DFO 8301	0.796	3.8	67		upto 18 months	upto 12 months
ANTICORIT DFW / DFO 9101	0.82	3	>90		upto 3 months	upto 1 month
ANTICORIT DFW / DFO 9301	0.835	6.7	>90		upto 18 months	upto 12 months

#### Corrosion preventive oil with VCI

ANTICORIT BGI 15	0.88	14 ± 2	>150	Applied at ambient temperature by dipping, spraying, brushing. Components always to be packed after oiling. VCI containing oil, enables an application on completely assembled components.	9-15	3-6
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Product Name	Density, 15°C, g/mm	Kinematic viscosity, @ 40°Cmm <sup>2</sup> /s	pH (10% in DM water)	Application	Protection time, under proper storage	
					Indoor, months	Outdoor, under shed months
<b>Water-based corrosion preventives</b>						
ANTICORIT MKR	0.90	50 ± 10	9.5-10.0	For easy film formation components to dipped in 10- 20% emulsions in soft water maintained @ 50-70°C	10-15	-
ANTICORIT WMC 7000	0.920	60	8.7	May be applied by dipping or with a convenient spray application as an 5 - 25 % emulsion at about 70°C	3-6	1
ANTICORIT WMC 9000	0.942	100	9.4	Should be used as an emulsion (5 - 20 %) at temperatures of 20 - 50°C	4-8	1-2

Note: Above mentioned are typical values and do not constitute a specification at bottom left or right of page



FUCHS Industrial lubricants

## Innovative lubricants need experienced application engineers

Every lubricant change should be preceded by expert consultation on the application in question. Only then can the best lubricant system be selected. Experienced FUCHS engineers will be glad to advise on products for the application in question and also on our full range of lubricants.

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