

Weicon Our AL-W Underwater Marine Grease is a high quality, industrial grade lubricant designed specifically for wet areas or use on submerged parts. Manufactured by Weicon in Germany, this grease is used all around the world to reduce friction, ease operation and protect parts from corrosion.

AL-W is suitable for use with many different types of parts and materials. It effectively protects parts from corrosion caused by aggressive salt water or waste water.



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Technical Details

Property	Value
Abbreviation (DIN 51502)	KPL 1-2 E-25
Consistency Assignment (DIN 51818)	NLGI Class 1-2
Composition	Spec. Calcium Soap / Mineral Oil
Colour	Beige
Density at +20°C (+68°F) (DIN 51757)	0.94 g/cm ³
VKA-TEST (DIN 51350) Welding Load	3,400 N
VKA-TEST (DIN 51350) Goods Load	3,200 N
VKA-TEST (DIN 51350) Spherical Cap Value (1Min/1000N)	0.7mm
Speed Identifying Value (k _a . n . d _m)	350,000
Worked Penetration (DIN ISO 2137)	285 -315 1/10 mm
Water Resistance (DIN 51807)	0 – 40
Drop Point (IP 396)	> 100°C
Kinematic Viscosity (DIN 51562) at +40°C	100mm ² /s
Kinematic Viscosity (DIN 51562) at +100°C	9mm ² /s
EMCOR Corrosion Test (DIN 51 802):	0 / 0
Temperature Resistance	-25°C to +80°C
Storage Stability	24 Months Minimum
Salt Spray Test with Separated Protective Coats (Federal German Armed Forces Regulations, 336 Hours at 35°C, 5% NaCl)	No Corrosion

Approvals

- Federal German Armed Forces TL 9150-0066
- NATO Specification G-460

Important

The values listed here and the information presented should not be treated as a substitute for specific technical advice. We cannot warrant the products performance or suitability for particular applications.

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Application Selection Table

Rolling Bearings	●	Spindles	●
Sliding Bearings	●	Spline Shafts	●
Chains	●	Camshafts	
Joints	●	Springs	
Levers	●	Open Gears	●
Sliding Guides	●	Worm Gears	●
Linear Guide Systems		Cables	●

Compatibility with Other Rubber Sealing Materials

ACM – Acrylate Rubber	++
CR – Chloroprene Rubber	+
CSM – Chlorosulfonated PE Rubber	++
EPDM – Ethylene Propylene Diene Rubber	0
FMK – Fluorocaoutchoc / Viton	++
NBR – Nitrile Butadiene Rubber	++
NR – Natural Rubber	0
SBR – Styrene Butadiene Rubber	0
SQM/MVQ – Silicone Rubber	++

Compatibility with Polymer-Based Sealing Materials

ABS	++
CA – Cellulose Acetate	++
EPS – Expanded Polystyrene	++
PA – Polyamide	++
PC – Polycarbonate	0
PE-UHMW – Ultra High Molecular Weight Polyethylene (UHMWPE)	++
PE-LD Polyethylene with Low Density (LDPE)	+
PET – Polyethyleneterephtalate	++
POM – Polyoxylmethylene	++
PP – Polypropylene	++
PPO – Polyphenylene Oxide	++
PS – Polystyrene	+
PTFE – Polytetrafluoroethylene	++
PUR – Polyurethane	+
PVC – Polyvinylchloride	++
TPE – Thermoplastic Elastomers	0

Compatibility Key Information

++ = Compatible. + = Compatible to a limited extent. 0 = Not Compatible.

The stated compatibility and resistance levels are based on laboratory tests and literature notices. A guarantee cannot be provided due the large number of raw materials used on the one hand the complex chemical and morphological structure of the polymers on the other. In critical application cases we recommend that you carry out tests and/or consult with the Weicon application technology department.

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Storage

Keep in closed original container. Do not store with oxidising agents. Keep container tightly closed and store in a cool and well aired place. Minimum shelf life for Weicon All-Round Lubricants is 24 months.

Available Sizes

- 400gm Cartridges
- 1kg Containers
- 5kg Buckets
- 25kg Buckets

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