

Weicon Anti Seize Assembly Paste is a high-quality lubricating compound. It is used to lubricate highly stressed metal parts to prevent seizure and reduce wear. It also protects against corrosion, oxidation and cold-welding and is widely used around the world in a large range of industries.

Manufactured by Weicon in Europe, this quality grade of anti seize is produced from a combination of finely ground, metallic, solid lubricants and a high quality synthetic oil mixture (for a metal-free, food grade anti seize we suggest our Anti Seize High Tech).

Anti Seize Assembly Paste is resistant to high pressures and is free of toxic heavy metals. It also has excellent chemical resistance and is very economical as just 1kg of paste, spread at a depth of 0.01mm is both effective and capable of covering an area of approximately 45 square metres.



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Applications

- Lubrication and corrosion protection of highly stressed parts.
- Preventing metal components from seizing and protecting them from cold welding and stick-slip phenomena.
- Protection of surfaces from oxidation and wear.
- Lubricating bolts, screws and threaded connections that will be subjected to high levels of stress.
- For lubricating, protecting and prolonging the service life of components in the automotive, agricultural, mining, engineering, marine and oil and gas sectors.

Weicon Anti Seize Compatibility with different Sealing Materials

ABS – ABS Copolymeride	++	PE – Polyethylene	++
ACM – Acrylate Rubber	++	PET – Polythyleneterephthalate	++
CA – Cellulose Acetate	++	POM – Polyoxymethylene	++
CR – Chloroprene Rubber	+	PP – Polypropylene	++
CSM – Chlorosulfonated PE Rubber	++	PPO – Polyphenylene Oxide	++
EPDM – Ethylene Propylene Diene Rubber	--	PS – Polystyrene	+
EPS – Expanded Polystyrene	++	PTFE – Polytetrafluoroethylene	++
FKM – Fluorocaoutchoc	++	PUR – Polyurethane	+
LDPE – Low Density Polyethylene	+	PVC – Polyvinylchloride	++
NBR – Nitrile Butadiene Rubber	++	SBR – Styrene Butadiene Rubber	--
NR – Natural Rubber	--	SQM/MVQ – Silicone Rubber	++
PA – Polyamide	++	UHMWPE – Ultra High Molecular Weight Polyethylene	++
PC – Polycarbonate	--		

++ Resistant

+ Resistant to a limited extent

-- Not Resistant

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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Technical Details

Properties

Basic Oil	Synthetic Oil Mixture
Colour	Anthracite
OFW Device Coefficient Of Friction	0.13
Coefficient of Friction Total	0.14 μ
Coefficient of Friction Thread	0.13 μ
Coefficient of Friction Upside Down	0.15 μ
VKA-Test (DIN 51350) Goods Load	4,200 N
VKA-Test (DIN 51350) Welding Load	4,400 N
VKA-Test (DIN 51350) Spherical Cap Value (1 Min / 1000)	0.5mm
Worked Penetration (DIN ISO 2137)	310 to 340 1/10mm
Sulphur Content (DIN 51400)	<0.1%
Water Resistance (DIN 51807)	0-90
Temperature Resistance	-180°C to +1,200°C
Pressure Load	230 N/mm ²
Density at 20°C (DIN 50017)	1.16 g/cm ³
Salt Spray Test (DIN 50017)	>170 Hours
Thermal Conductivity	0.3 W/m·K
Dielectric Strength	0.47 kV/mm
Specific Resistance	1.2 x 10 ¹⁵ Ohm/cm

Preparation of the Surface

Depending on the degree of soiling, first clean and degrease surfaces with Weicon Cleaner S. Used threads should be cleaned with a wire brush and Cleaner S.

Processing

Prepare the surface as per the above instructions and apply the paste evenly. On threads it is important that Anti-Seize Paste is applied down to the thread root to ensure a good sealing effect.

Please note that this product is suitable only for assembly paste specific applications. It does not replace pure lubricants and greases.

Storage

Anti Seize should be kept in its closed, original container. Do not store together with oxidising agents. Keep container tightly closed and store in a cool, well aired place. Storage temperature should never exceed 50°C. Store container in a cool, well aired place.

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Available Sizes

In addition to the standard sizes listed on our site, Anti Seize can be supplied in a large range of other forms and container sizes to suit specific requirements. All standard sizes are listed below. For more information on any that are not listed on our site, please do not hesitate to contact us.

- 10gm Syringe
- 30gm Pen
- 120gm Brush Top Container
- 200ml Press-Pack
- 400gm Cartridge
- 450gm Container
- 500gm Brush Top Container
- 1kg Container
- 1.8kg Bucket
- 5kg Bucket
- 10kg Bucket
- 20kg Bucket

Other sizes may also be available. If your application requires something else please do get in touch and we'll try and help out wherever we can.

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