



JAEGER



JAEGER DIE CASTING PRODUCTS

JAEGER OIL & CHEMICAL CO LTD

Jaeger Wax-Free Die Casting Release Agent

- High Performance · No Residue

This range of bio-protective formulations is designed to ensure long-term stability of the release agent, especially in re-circulating systems.

It effectively prevents residue buildup on cold surfaces of moulds, cooling vents and vacuum filters, reducing the appearance of porosity and brown spots on parts.

This series of products is suitable for mould release of complex parts of any size.

Product Advantages

- ◆ Excellent heat resistance
- ◆ No residue on mould and parts
- ◆ No clogging of filters and exhaust ports
- ◆ Reduce porosity defects
- ◆ No residue at low temperature
- ◆ Improve mould releasing effect



Jaeger Die Casting Water-Based Release Agents

This series of products are dilutable water-based release agents. The ranges have been developed to form excellent film in a wide temperature range, to reduce the loss of product due to over-use and to protect the die from metallization and oxidation, providing the highest cleanliness, perfect surface finishes and shortened die casting cycle.

Product Advantages

- ◆ Excellent lubrication performance, achieve an easy release of castings.
- ◆ Exclusive additives to optimize mould cooling.
- ◆ Facilitate the flow of molten metal to ensure optimal filling.
- ◆ High efficiency over a wide temperature range.
- ◆ Avoid pipes and nozzles from clogging.
- ◆ Compatible with recirculation system.
- ◆ Extend mould life, avoiding metallization and oxidation.

Product	Applications	Metals	Working Temperature °C	Paintable	Dilution Ratio
DS 1000	Highly complexity parts that require coating or painting after casting.	Al / Zn	150 – 250	●●●	1:50 – 1:100
DS 2000	High compatibility with painting and coating after casting (heaters, etc.).	Al / Zn	150 – 280	●●	1:50 – 1:150
DS 5000	Medium size parts for automotive and aluminium and magnesium parts for IT.	Al / Mg	150 – 300	●	1:50 – 1:150
DS 6000	Wide application range: automotive, electrical appliances, construction, etc.	Al	150 – 320	●	1:50 – 1:200
DS 8000	Heavy duty parts (large automotive).	Al	200 – 350	●	1:50 – 1:200
DS 9000	Highly demanding parts (Structural and high complexity parts).	Al / Mg	200 – 350	●	1:50 – 1:200

Jaeger Oil Based Die Release Agent

Product Advantages

- ✦ Excellent mould releasing effect.
- ✦ The casting has a bright appearance.
- ✦ Extend mould life.
- ✦ Small particles will not clog the spray gun even at high concentrations.
- ✦ Does not contain silicone, not affect post-processing.
- ✦ It can be applied with a manual spray gun or using an automatic spray system.

Product	Application	Metal	Dilution
ZN-10	It is particularly suitable for mould release that requires a bright surface. It has a very good effect on zinc alloy workpieces with strict surface requirements and can effectively extend the life of the mould.	Zinc alloy	It can be diluted with kerosene or low-viscosity white mineral oil and can be completely dissolved.

Jaeger Plunger Lubes

This series of high performance plunger lube provides optimal lubrication between plunger and injection, facilitating metal flow without leaving residue or contaminants in the parts. This series is oil based products with or without graphite solid lubricants.

Products	Base	Flash Point, °C
PGM	Mineral Oil	> 260
PGS	Synthetic Oil	> 260
PGW	Water	Not applicable
PG 60N	Oil – Graphite	Not applicable
PL 70	Oil – Non graphite	≥ 200

Jaeger Plunger Bead

Jaeger Plunger Beads are dry, granular lubricant for plungers, specially designed for lubrication of plungers and feed pipes in magnesium–aluminium alloy cold–chamber die–casting machinery. They are a new high–performance product that replaces traditional oily and liquid lubrication.

This product is based on high–quality wax and is synthesized with high–temperature solid lubricating materials, and is formed into granules through a special process.

Jaeger plunger lubricating beads can effectively increase the speed, extending the life of the plunger and the feeding tube. It reduces greatly carbon deposits compared to traditional oily lubricants. It can reduce pores in castings, making the mould cavity castings and machinery cleaner.

Advantages & Features

- ◆ Provides excellent lubrication with rapid and effective wetting performance.
- ◆ Protects the plunger head and material feeding tube. Extend service life.
- ◆ The surface of die castings is cleaner and brighter.
- ◆ Reduces smoke, carbon deposits and pollution.
- ◆ Reduces cleaning workshop and emission costs.
- ◆ Consumes less than traditional oily products, saving production costs.
- ◆ Long shelf life and saves storage space.
- ◆ Improves the cleanliness of workshops and machines, and more popular with users.

Technical Data

Product Colour	Item No.		
Black	PB-115	PB-120	PB-125
White	PW-115	PW-120	PW-125
Black	PB-215	PB-220	PB-225
White	PW-215	PW-220	PW-225
Particle diameter (mm)	1–1.5	1.5–2	2–2.5

Form: Wax Beads

Smell: Mild

Flash point: 320 °C

Melting point: 100 °C

Recommended Dosage

Punch Diameter (mm)	Injection Volume (gm)
60	1 - 3
80	3 - 5
100	5 - 7
140	7 - 10
>150	15 - 20

* Depending on the mould, material
and casting complexity

Directions for use

For shot beads injection machine that uses quantitative injection, a certain amount of Jaeger plunger lubricating beads are injected onto the plunger and the material pipe in each process.



Jaeger HFC Fire Resistant Hydraulic Oil

This product has good chemical stability and is suitable for hydraulic systems operating in steelmaking, ironmaking, continuous casting, hot rolling, metal die-casting and other environments with open flames and high temperatures. It can meet the anti-wear requirements of most hydraulic pump manufacturers for hydraulic fluids and is mainly suitable for hydraulic systems in environments such as steel, coal mines, die-casting machines, extruders, blast furnaces, forging equipment and glass manufacturing.

Product Advantages

- ◆ Low freezing point, easy to start at low temperature.
- ◆ Excellent flame retardancy, ensuring safety at high temperatures.
- ◆ Good lubrication performance, effectively extending the service life of the hydraulic pump.
- ◆ Good corrosion resistance, providing effective corrosion protection for the surface of components.
- ◆ Contains various additives such as anti-wear agent, antioxidant, rust inhibitor, anti-foaming agent, etc.

Product	ISO	Cu Strip Corrosion @50°C, 24h	Al Strip Corrosion @50°C, 24h
HFC - 46	46	A	A
HFC - 68	68	A	A

JAEGER GROUP



◆ Established in 1984, Jaeger group is registered in Hong Kong.

◆ Guangzhou Jiajun Lubrication Materials Co., Ltd. – focuses on the research and development, production and marketing of special industrial lubrication products, providing one-stop professional lubrication services.

◆ Mission – To undergo scientific research on industrial lubrication to enable Jaeger to become the pioneer in industrial lubrication in the Greater China and Southeast Asia.



OUR BRANDS

- ★ Jaeger industrial lubricants
- ★ Korniche superior performance lubricants from UK
- ★ Lumina Automatic Spray Guns from Japan



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Enterprise



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Assurance



Creativity
Perfection



Value for
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SERVICE COMMITMENT



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Customer
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www.jaegerlube.com

JAEGER OIL & CHEMICAL CO LTD
400-900-9628