

Water Based Release Agent for Battery Case STM Molding Process

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Lubekote
- Model Number: xxxxx
- Minimum Order Quantity: None
- Price: 1-99 usd
- Packaging Details: 25L, 200L
- Delivery Time: 5-15 working days
- Payment Terms: T/T
- Supply Ability: 20T/week



Product Specification

- Classification: Chemical
- Name: Mold Release Agent For Composite
- Brand Name: Lubekote
- Odor: Slight
- Place Of Origin: China
- Application: Car Battery Case
- Packaging: 1 Gallon Pail
- Storage Temperature: 10-30°C
- Type: Composite
- Highlight: **Battery Case Release Agent,
Water Based Release Agent,
STM Molding Process Release Agent**

Product Description

Water Based Release Agent for Battery Case STM Molding Process

Product Description

Our advanced STM (Sheet Molding Technology) process delivers high-performance battery housings using Huntsman Polyurethane Resin, ensuring precision, durability, and exceptional surface quality. This single-spray coating method guarantees consistent results and efficient demolding, meeting stringent client specifications.

Key Features

- Material:** Premium Huntsman Polyurethane Resin
- Coating Process:** Single Spray Application
- Dilution Ratio:** 1:5 (optimized for uniform material distribution)
- Demolding Cycles:** 5–8 cycles per batch (high efficiency, minimal downtime)
- Surface Finish:** Excellent gloss retention and color uniformity
- Quality Assurance:** Consistent demolding performance, fully compliant with client requirements

Technical Specifications

Parameter	Details
Process	STM (Sheet Molding Technology)
Material	Huntsman Polyurethane Resin
Coating Method	Single Spray Application
Dilution	1:5 Ratio
Demolding	5–8 Cycles (per batch)
Surface Quality	High Gloss, Uniform Coloration

Advantages

- Efficient Demolding:** 5–8 cycles ensure rapid production turnaround.
- Superior Aesthetics:** Glossy finish with no color variation for premium appearance.
- Material Optimization:** 1:5 dilution ratio maximizes resin utilization without compromising integrity.
- Client-Centric:** Tailored to meet exacting performance and visual standards.

Applications

Ideal for high-precision battery housing components requiring durability, aesthetic consistency, and reliable mass-production performance.

Application Field:

LubeKote 9213 is a polymer resin, a mixture of non-chlorinated organic solvents. It provides a long-lasting film layer that provides good release and lubrication each time without contaminating the product surface.

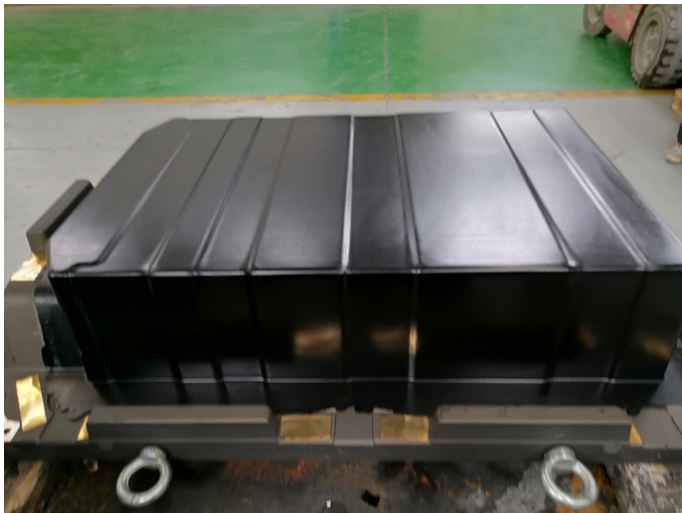
LubeKote 9213's polymer resin reacts with water. Make sure the can (package) is repackaged after use. LubeKote 6213 is ready to use without shaking or mixing. Do not mix with other products or solvents.

Advantages:

Easy to apply
Low odor
Minimum build up on mold
Excellent lubrication properties
Excellent stripping performance
Strong versatility

More Lubekote release agent for composite industry:

Application	Suitable code	Dispersing medium	Advantages
Epoxy electrical	Lubekote 9035	Solvent based	Strong slip; Multiple releases per application; Less contamination in the mold cavity; Gloss finish.
Epoxy pipe	Lubekote 943	Solvent based	Strong durability and good releasing effect; Less contaminating mold; Good performance on post process Cost-effective.
Carbon fiber	Lubekote 9100H	Water based	Environmentally friendly; Easy to apply; Harmless to health.
Wind electricity	Lubekote 9505	Solvent based	Smooth demolding; Cost-effective.
Hand lay-up	Lubekote 9506	Solvent based	Universal release agent for composite; Good release; Gloss finish; Good performance on post process.
Resin concrete	Lubekote 9003A	Solvent based	Multiple releases per application; No hole on the surface; Excellent performance of the produced part.
Artificial stone	Lubekote 9510	Solvent based	Suitable replacement for kraft paper; Gloss finish; Good demolding effect.





Shanghai LoreChem Co., Ltd. was established in 2008. It is a high-tech enterprise which is dedicated to serve releasing products which involve semi-permanent release agent, anti-sticking, surface lubrication and thermal reactive adhesive. Shanghai LoreChem has been improving product quality for 15 years. The releasing products are mainly applied in rubber, polyurethane and composite industry. The brand of Lubekote for release agent and Thinkbond for adhesive have been registered in China. Both of them are well known in the industry. Shanghai LoreChem 's business is all over the domestic and foreign high-end production enterprises by providing professional technical solutions and services. The company's long-term goal is to become one of the best suppliers of release agent in Asia.



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