



Innovative

*Mono-Coat® Products Increase Rotomoulding Efficiency*

a brand of  
**FREUDENBERG**

 **Chem  
Trend**

*Release Innovation™*



# ROTATIONAL MOULDING

## MONO-COAT® TRANSFORMS ROTATIONAL MOULDING

Manufacturers of children's playhouses, gasoline storage tanks and other products made using rotational moulding will experience undeniable efficiency and quality improvements using Mono-Coat® products. Specially formulated

Mono-Coat® release agents and moulding process aids provide a distinct competitive advantage by delivering great looking, cost efficient products. Mono-Coat® is a secret weapon manufacturers can leverage for delivering flawless finish, while increasing productivity and consistency in their operations.



## MOULDING PROCESS AIDS

- Mould cleaners
- Mould primers
- Rust preventatives
- Anti-static agents to reduce pigmentation swirls
- Flow Promoter for improved cosmetics around parting lines, lettering, threads and inserts

## RELEASE AGENTS THAT ARE:

- Solvent-based or water-based
- Ready-to-use or concentrate
- Semi-permanent or for one-time use

## MONO-COAT® PRODUCTS BOOST OPERATIONS FOR COMPETITIVE ADVANTAGE

- Safe and easy to use
- Reduce abrasion
- Stable at high temperatures
- Provide excellent durability
- Minimal transfer onto the moulded part
- Formulated to work with a wide range of polymers, including XLPE, HDPE, MDPE, LDPE and LLDPE
- Provide excellent release from multiple tooling surfaces, including stainless steel, steel and aluminium





## ROTOMOULDING OPERATIONS OPTIMISED

Rotomoulded parts come in all shapes and sizes, placing considerable demands on release agents to work perfectly under a variety of conditions. Based on Chem-Trend's many years of experience at our customers' facilities, we know how to optimise your moulding operation. Our release agents and processing aids for rotational moulding products come with access to a worldwide network of industry professionals committed to developing the right solutions and providing excellent individualised support.

### MONO-COAT® PRODUCTS DELIVER SOLUTIONS

Mono-Coat® products provide value-adding solutions that improve manufacturing operations:

- **Minimise pre-release:** Innovative Mono-Coat® products allow plastic material to stay in contact with the mould longer so parts retain their correct shape.
- **Easy release around flanges and vent-tubes:** Purposely formulated Mono-Coat® release agents for the flange and vent-tube help plastic form perfectly, providing an extremely smooth finish.
- **Double-skin parts:** Specially developed Mono-Coat® release agents ensure that the mould's core can easily be removed.
- **Optimise surface:** Mono-Coat® anti-static coating applied before every moulding dissipates electrical charges and eliminates pigment swirls.
- **Improve gloss level:** Mono-Coat® primer provides parts with a high-gloss finish, reducing or eliminating flame-polishing.

### GAIN PROCESS EFFICIENCIES, LOWER COSTS

Rotomoulders will experience an appreciable benefit using Mono-Coat® release agents and mould processing aids:

- Improve overall productivity, throughput and efficiency.
- Protect the surface of the mould from costly damage and extend tool life.
- Encourage the part to remain in contact with the mould wall during the cooling cycle until the moulding has reached the right level of structural rigidity to be released.
- Allow for clean, quick and even part release.
- Reduce scrap.
- Maximise quality and external appearance.
- Prevent surface abrasions and discolouration.
- Minimise downtime caused by parts stuck in moulds.
- Provide for consistent performance.
- Provide excellent dimensional control and less shrinkage.



## CHEM-TREND INDUSTRY LEADERSHIP

Chem-Trend has been developing and manufacturing release agents for some of the most challenging industrial applications for more than 50 years. Our line of solvent- and water-based semi-permanent mould release agents for rotomoulding are specially designed and formulated to perform under all conditions. It's all part of our commitment to providing our customers with greater value, performance and dependability. To find out more about how our products and expertise can help you improve your rotomoulding operations, please visit [www.chemtrend.com](http://www.chemtrend.com).

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*Release Innovation™*

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