



**SURE-FOOTED**  
At all molding steps.

 **Chem  
Trend**  
*Release Innovation™*

a brand of  
 **FREUDENBERG**

**CHEMTREND.COM**



## Innovative Technology for Molding Productivity around the World.

*Chem-Trend is a global market leader in the development, production and supply of high-performance processing aids for a wide array of industry applications. To enhance your productivity, we deliver value-added solutions to customers across industries and market segments around the world.*

*For your shoe sole manufacturing processes – both PU low-pressure casting and PU direct injection – we provide customized technologies to effectively optimize your productivity. Read more about our products below.*

### **A COMPREHENSIVE PORTFOLIO**

Our **broad product range of release agents** allows us to meet the demands of your production challenges. Our experts will guide you to discovering the best solution for your operations, whether it's based on finished-part surface feel, post-production paintability of sole parts or environmental impact.

### **RELEASE AGENTS FOR HIGH PRODUCT QUALITY**

Our water- and solvent-based **release agents** extend tool life, improve surface quality and reduce scrap and defect rates. With our broad portfolio of release agents, we have the solution to meet your needs.

### **MOLD CLEANERS FOR OPERATIONAL EFFICIENCY**

Our **mold cleaners** powerfully attack resinous mold buildup and safely remove waxes, silicones, contaminants, polyurethane and polyurethane residues – for perfect results.

### **A POWERFUL TEAM: MOLD SEALERS AND PASTES**

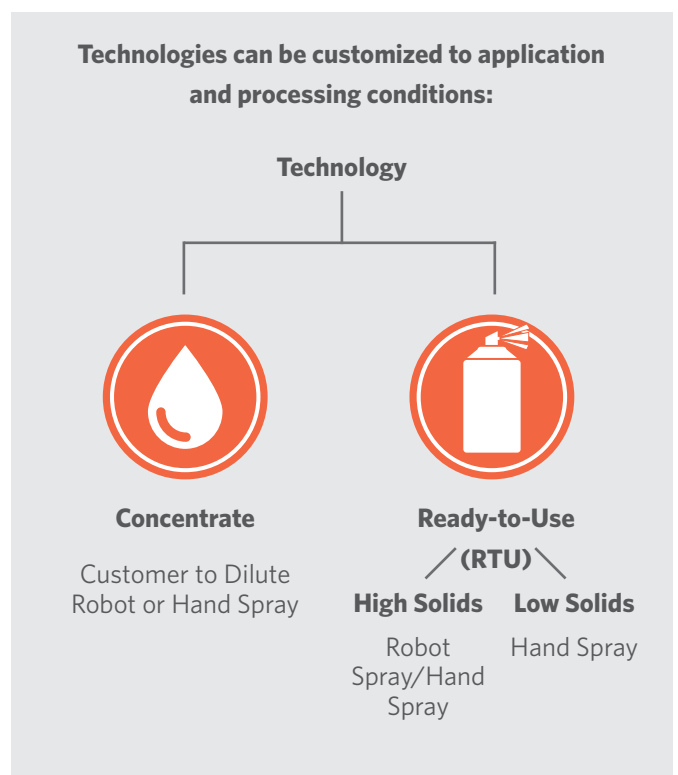
Chem-Trend **mold sealers and preparation pastes** prevent mechanical and chemical bonding during molding operations. They provide an effective base for enhancing release and optimizing your shoe sole production.



## MATERIALS USED TO MAKE FOOTWEAR

The materials that are used for the production of footwear are as diverse as global trends.

- Po** Polyurethane – Polyester and Polyether PU systems
- TPU** Thermoplastic PU
- TPR** Thermoplastic Rubber
- Ru** Rubber
- EVA** Ethyl Vinyl Acetate
- ...** Others



Chem-Trend's release agents are recommended for all the polyurethane insoles, unit soles, direct-on - mono and dual density - and slippers.

## YOUR BENEFITS

### Chem-Trend's solutions for polyurethane shoe sole manufacturers provide:

- Excellent part release with polyester or polyether systems for direct attach and dual density manufacturing
- Optimal gloss level and surface finish quality based on customer specifications
- Tin-free formulations
- Compatibility with secondary operations such as gluing
- Lower scrap rates
- Cleaner molds
- Less downtime
- Higher part quality
- Low VOC emissions
- Water- or solvent-based products
- Cleaner, safer working environments



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