

INSIDE TIRE PAINTS | OUTSIDE TIRE PAINTS | BLADDER COATINGS | MOLD TREATMENTS



High Performance Products  
for the Tire Industry

# Chem-Trend® Tire Products

Where Innovation Meets Application

TIRE PAINTS | BLADDER COATINGS | MOLD TREATMENTS



# Chem-Trend® Tire Products

A Broad Portfolio of Industry Leaders



INSIDE AND OUTSIDE TIRE PAINTS | BLADDER COATINGS | MOLD TREATMENTS

## BUILDING A REPUTATION

For fifty years, Chem-Trend's reputation has been built on a foundation of providing value and service. Chem-Trend has a singular focus of developing and manufacturing innovative release products for use in a variety of industries. We become directly involved in our customers' processes and apply our development expertise to provide our customers with tailored solutions to their unique problems that improve overall productivity and quality. At the core of our business are industry-standard tire paints, mold release agents, die lubricants, and purging compounds engineered to maximize our customers' productivity and help them deliver high-quality finished products.

Working with Chem-Trend's tire products team goes far beyond just obtaining product. That is because each product that we develop brings with it Chem-Trend's fifty years of working hand-in-hand with customers at the shop floor level through our on-site service to help solve their manufacturing production problems. Included with each of our products is our obsession with quality and concern for HSE issues as witnessed by our multiple facility certifications such as: ISO-9001, ISO-14001 and OHSAS 18001. Our manufacturing facilities, sales and service offices cover the world, with a global distribution network offering our products and services to meet the unique and specific needs of the tire industry.

Chem-Trend's technical center, located in Howell, Michigan, with additional technical support laboratories in Europe, South America and Asia are an excellent example of our commitment to providing our customers with greater value. Chem-Trend's test facilities house equipment that allows us to simulate our customers' processes during the product development phase allowing us to evaluate performance and quality before products reach our customers. These investments were made so our customers know when they choose Chem-Trend® products they have a high quality product ready to solve their unique processing challenges.

Chem-Trend ensures customer satisfaction by focusing on productivity and performance of our products in support of our customers' manufacturing processes. It's an approach that has provided our customers with the best service and support available in the industry today.

Putting it all together—that's performance.

That's the value of Chem-Trend.

## CHEM-TREND® PRODUCTS for the Tire Industry

The curing process can be defined as a critical step in the process of manufacturing tires. Chem-Trend® tire paints, bladder coatings and mold treatments provide a competitive advantage to all tire manufacturers with solutions that maximize productivity while meeting the most demanding of specifications and operating conditions. Chem-Trend® products for tire manufacturers provide:

- Lower scrap and defect rates
- Longer curing bladder life
- Cleaner molds
- Less downtime
- Optimal finished tire appearance
- Excellent slip and release properties
- Higher quality tires

When you purchase Chem-Trend® tire products, you also gain access to a worldwide support network of industry professionals committed to providing the right solution for your application. We make our global expertise available locally to you through our sales, technical and support professionals. Our production facilities use leading development, testing and production equipment and processes to assure consistent products.

Do you have a unique application that requires something more? Chem-Trend can custom formulate solutions to meet your unique needs.



## PRODUCT CATEGORY

## PRODUCT BENEFITS

### FILLED INSIDE TIRE PAINTS

These products are used to optimize air bleed and slip properties to provide first class tires with excellent uniformity. Our water-based products are storage-stable, and have optimized viscosities to improve sprayability and minimize blockage. Included in this range is a new family of high performance filled inside tire paints that have been developed to specifically meet the demands of manufacturers specializing in the production of UHP tires. These products have been developed to provide the ultimate in air-bleed and slip to ensure lower defects and good tire uniformity, as well as a clean finished tire appearance, which is unique among filled inside tire paints. The carefully balanced ratio of specialized ingredients used in the manufacture of this family also yields a significant increase in average curing bladder life. All of Chem-Trend's filled inside tire paints are available in either tan, gray or black colors to suit the needs of all users.

### UNFILLED DURABLE INSIDE TIRE PAINTS

These products have been developed to provide excellent slip to ensure uniform tires, clean tire appearance and longer bladder-life. Chem-Trend manufactures and supplies the global tire industry with the most comprehensive range of water-based single-component durable inside tire paints, which have been developed to release several tires between applications. The portfolio consists of low, medium, high and super-durable products, which cover a wide range of frequencies between coated tires, thus ensuring the logistical needs of any user can be met. Due to their formulation, these products provide the ultimate in clean finished tire appearance.

### OUTSIDE TIRE PAINTS

Also included in the Chem-Trend line of products for the tire industry is an extensive line of water-based outside tire paints. Each product has been specifically developed to provide superior air-bleed and rubber flow with minimal impact on rubber-to-rubber adhesion. Chem-Trend outside paints are also formulated to enhance our already industry leading finished tire appearance.

### TIRE CURING BLADDER COATINGS

We have the industry's most extensive line-up of innovative bladder-coatings that provide a barrier to protect the curing bladder from both chemical and abrasive attack during service to greatly extend its life and facilitate the start-up on new bladders. When used as recommended, bladder-life can be extended by up to 40%. These treatments are permanent coatings, which are applied to a new curing bladder after its manufacture and before it is fitted to a curing press. Each coating is designed to be a single treatment and will survive the service life of the bladder. These pre-treatments are developed to work in conjunction with tire inside paints. They provide the following benefits:

- Facilitate the start-up of new curing bladders.
- Optimize the slip properties of the inside tire paints used to help reduce the overall tire curing related defects throughout the life of the bladder.
- Easy application by paint-brush, sponge or spray equipment.
- Permanent coatings that, once dry, permit newly treated tire curing bladders to be stored for long periods if necessary, up to one-year.
- The coating will help protect folded bladders against ozone and UV attack.
- Protection against chemical and abrasion attack during service to greatly improve bladder life.

### SEMI-PERMANENT MOLD TREATMENTS

Chem-Trend supplies the global tire industry with industry leading water-based mold coatings developed to aid release, enhance finished tire appearance, protect against mold fouling to extend service life between cleaning cycles and maximize rubber flow. Also included in this product line is a range of mold protectors developed to protect the molds against corrosion during periods of prolonged storage.

For more information on specific Chem-Trend products, visit [www.chemtrend.com](http://www.chemtrend.com) or contact your nearest Chem-Trend sales office or distributor.



## A world of support

### Chem-Trend brings global expertise to each customer:

- Leading-edge tire product development laboratory
- Manufacturing facilities on four continents
- Sales and service offices in 17 countries
- Distribution network across more than 50 countries
- Around-the-clock product support available

### Chem-Trend Regional Headquarters

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For more information about Chem-Trend and our locations in other countries, please visit us at [www.chemtrend.com/locations.asp](http://www.chemtrend.com/locations.asp)