

Increased ladle life and enhanced metal flow in die casting

WOLFRAKOTE® TOP AND CHEM-TREND® TOP-211 LADLE COATINGS



Long-term coatings for die casting processes

For high temperature applications in die casting, temperature loss of molten metal and soldering in ladles and runners are two major challenges.

Chem-Trend offers long-term coatings for die casting processes of non-ferrous metals (HPDC, LPDC, hot chamber, cold chamber, gravity casting etc.). These coatings are especially suitable for protecting cast iron and steel tools when in contact with molten aluminum - e.g. pouring ladles and runners.

Wolfrakote TOP and Chem-Trend® TOP-211 ladle coatings serve as dry lubricants with excellent adhesive properties even for processes with aggressive alloys.

BENEFITS

- **Uptime** - less soldering of molten metal and tools leads to less cleaning and maintenance effort.
- **Enhanced ladle lifetime** - resistance to high temperature influence leads to less attacks and wear.
- **Improved metal flow and pouring precision** - the enhanced thermal insulation leads to less heat loss and therefore also saves energy costs.
- **HSE effects** - the products are free from lead, nickel, sulphur, barium or halogens.

Contact us for more information and to connect with a local sales representative.

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a brand of
FREUDENBERG

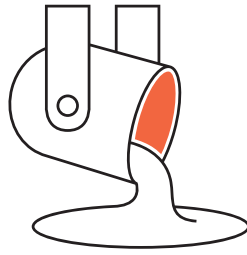
**Chem
Trend**

Release Innovation™

WITH WOLFRAKOTE TOP AND CHEM-TREND® TOP-211 WE OFFER:



Extended uptime



Extended ladle life and enhanced metal flow



Reliable products for high-temperature applications

Application

Wolfrakote TOP and Chem-Trend® TOP-211 are applied with a brush or cloth in a thin layer to the clean ladle at around 50-70°C. After burning in (> 200°C) the products serve as a dry lubricant.

The products allow for easy re-application without the need for machine shutdown. Due to their coating colour, it will be obvious to the manufacturer at which point in time re-application is necessary.

Facts and figures



- Wolfrakote TOP appears as a light grey paste during application. After burning in, the film is yellow.
- Chem-Trend® TOP-211 is a grey high viscous fluid (paste) that turns into red after heating up.
- Both products allow for easy checking where the coating has already been applied.

Temperature range: High-temperature paste with temperature range between -25°C and 1000°C

Dry film lubricant - drop point: > 200°C

Packaging: 1,5 kg and 30 kg