

HERA™ LIGHT FOR DIE CASTING

Environmentally friendly high-efficiency release agents

HERA™ – High Efficiency Release Agents by Chem-Trend are the outcome of continuous research and development. These water-based, ready-to-use products are ideally tailored to meet the requirements of the modern die casting industry and are specifically designed for micro spray applications.

The latest generation of high efficiency release agents is now available: HERA™ Light. This further development of HERA™ products offers a completely new alternative to conventional dilution spraying, while still providing the advantages of the established HERA™ quality. HERA™ Light helps die casters to increase productivity in many respects while achieving a sustainable reduction the required energy and resources.

Advantages of HERA™ Light

- Application possible using customary fine spraying tools
- Excellent coating properties
- Superior surface finish and structural quality of casting parts
- Higher output through shorter cycle times
- Elimination of waste water accrued
- Reduction in energy and resources used
- Improved ecological balance

Customary HERA™ quality

- Very good demoulding performance, even for high ductility alloys and complicated component geometries
- Good adhesion of release agent film within a broad range of mould temperatures
- Minimal thermal stress for die casting tool
- Quick film development, no waste water contamination

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Optimal results guaranteed

An even application of release agent to the mould is required to obtain a consistent high-quality surface finish. Irregularities lead to defective mould parts and hence to scrap. Incorrect spraying further reduces tool lifetime. To prevent all this, Chem-Trend has developed innovative UV responsive formulation for the HERA™ product series which help ensure results through appropriate application.

Making the invisible visible

The specially developed UV formulations are used when a new spray pattern has to be established, such as for proofing a new casting tool or when starting production with HERA™ or HERA™ Light. The release agent as well as application irregularities are made immediately visible by illuminating the treated mould with UV light. Any areas of the mould missed by spraying are recognisable and the spray pattern can be optimised promptly, saving precious time. Scrap rates are minimised significantly and optimal control of the entire die casting process is achieved.



with UV marker



without UV marker