

Release Agent CA-5087

Description:

Release Agent CA-5087 is a water-based release agent concentrate for aluminum die casting applications. It is free of waxes, therefore drastically minimized residues on the die and the molded part. Release Agent CA-5087 does, if used as instructed, not impair the quality of the molded part in any way, therefore eliminating almost all of the usual and well-know quality-related casting issues. Release Agent CA-5087 avoids cavities on the surface and enhances the overall stability of the castings, which is usually not achieved by most common release agents.

Further advantages of wax free release agent CA-5087:

- Very good releasing and lubricating properties
- Very good spread and creep properties
- No wax residues in closed circular pipeline
- No adherence of wax in concentrate tank of stationary mixing plants
- No wax residues in spray heads or spray pipelines
- No plugging (waxing) of sieves, nozzles, valves or control devices
- No assembly in gate guides, thereby no extraordinary expenses for large cleaning times
- No brown wax residues on die casted piece
- Clean and homogeneous casting surface
- Higher quality of die casted pieces (no out gassing of wax)
- Higher production results of weldable casting
- Better coating and varnish properties of die casted pieces

Application Fields:

Release Agent CA-5087 is suited for a whole range of die casting applications and almost any casting temperature.

Application:

Release Agent CA-5087 is a water-based concentrate, that has to be diluted in a factor of 1:80 up to 1:110 with water, prior to the application. The mixture ratio depends on many factors, such as the release agent's application form as well as on die- and machine- parameters. In certain occasions, the perfect dilution ratio has to be individually determined through trials.

Technical Data:

Composition:	water, modified polysiloxanes, emulsifiers
Appearance:	white liquid
Density [g/cm³]:	approx. 1
pH-value (20°C):	approx. 7

Packaging:

Drum	200 kg
IBC	1000 kg

Storage:

Information for regulations on safety and transportation are provided in the safety data sheet

Further information:

Product technical information and data is based on the best information available and does not constitute or imply a warranty or patent infringement of any kind. The user is responsible for testing product suitability prior to use in production.

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Release Agent CA-5087 should be stored in tightly sealed containers and has to be protected from frost, heat and direct sunlight. If these rules are obeyed, the product can be stored for at least 6 months. The expiry date is stated beneath the production date on the labels of each container.

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