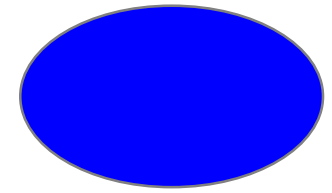




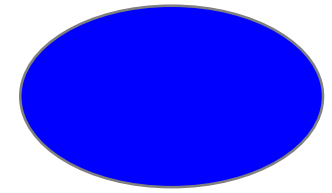
Release agents - best-sellers



Product	Base	Temperatures	Characteristics
Bonderite L-CA CP-1002	Polysiloxane + synthetic oil	Low/Medium High in the case of thin castings	It is a wax-free release agent. Excellent for thin pieces with particularly high roughness levels. On thin thicknesses, the release agent is also able to operate at high temperatures (up to 300°C). On castings of uneven, even high, thickness, very bright castings are produced. In practice, the product does not cause any residue formation on the die.
			
Bonderite L-CA CP-798I Formerly Deltacast CP-798 I	Polysiloxane + synthetic oil + waxes	Medium/high	The only difference between the two products is their active substance content: CP 798I is generally more suitable for centralised plants.
Bonderite L-CA CP-798 Formerly Deltacast CP-798	Polysiloxane + synthetic oil + waxes	Medium/high	The CP 798 series is suitable for various thicknesses and a wide variety of castings. These products have excellent release properties even at very high temperatures (up to about 330°C). They protect the die from wear due to thermal fatigue. Thanks to their shear strength, they reduce solder formation and thus the need for die maintenance. They thus increase productivity since machine times can be speeded up.
			

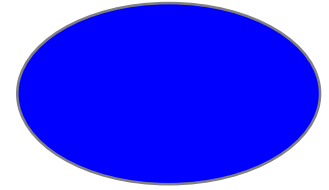
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Release agents



Product	Base	Temperatures	Characteristics
Bonderite L-CA CP-747I Formerly Deltacast CP-747 I	Polysiloxane	High	High thicknesses and temperatures, very large castings. Exceptional release properties even at very high temperatures. Protects the die from wear due to thermal fatigue. For Aluminium and Magnesium. Ideal for medium concentrations.
Bonderite L-CA CP-747 Formerly Deltacast CP-747	Polysiloxane	High	These products will be replaced by the CP 798 series and will go out of production during 2015.
Bonderite L-CA CP-573R Formerly Deltacast CP 573R	Polysiloxane	Medium/High	For thin castings with low dimensional tolerances and roughness. Does not create deposits. For Aluminium and Magnesium.
Bonderite L-CA CP-506 Formerly Graco CP-506	Polysiloxane	Medium	Concentrated, versatile, low-cost product. Excellent for both Aluminium and Magnesium.

Release agents - mineral oil based



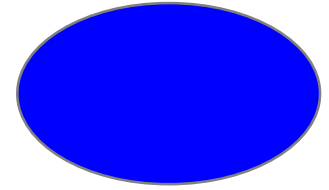
The distinctive characteristics of mineral oil-based release agents are:




- 1) They have high migration capacity on hot surfaces;
- 2) They are easily removed during degreasing processes;
- 3) They enhance the flow of metals;
- 4) They withstand medium/low temperatures (max 250°C)

Product	Base	Temperatures	Characteristics
Bonderite L-CA 626 A Formerly Deltacast 626A	Mineral oil	Low/Medium	Diversified castings and/or castings for coating, with low thicknesses, ideal for relatively low die temperatures after lubrication (<200°C).
Bonderite L-CA 626 D Formerly Deltacast 626 D	Mineral oil	Low/Medium	Suitable for very thin thicknesses. The only difference between the two products is their active substance content.
Bonderite L-CA CP-715R Formerly Deltacast CP- 715 R	Semi- synthetic	Medium/High	For bright castings, especially radiators. Thin thicknesses, combines good migration capacity with resistance to medium/high temperatures. For Aluminium and Magnesium, for radiators in particular.

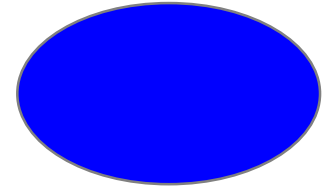
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Release agent - The “special products”



Product	Base	Temperatures	Characteristics
Bonderite L-CA 636 B Formerly Deltacast 636 B 	Polysiloxane	Medium/High	Very versatile release agent, recommended for medium thickness castings and specific aluminium alloys (Piral). These types of alloys work at relatively low die temperatures (150-200°C after lubrication) and are very aggressive on the die and difficult to cast. The 636 B release agent creates good metal flow and reduces solder formation
Bonderite L-CA CP 503 ECO 	Semi-synthetic	Medium/High	The product is specifically for STRUCTURAL CASTINGS , meaning pieces intended for the automotive industry, cast in primary or special alloys (e.g. Magsimal, Silafond, etc..) and generally destined for heat treatment, weldable, or particularly thin and with specific elongation characteristics. These are niche products, so the choice has to be carefully considered, preferably with the aid of Henkel specialists.
Bonderite L-CA CP-581 Formerly Deltacast CP 581 	Synthetic, polysiloxane-free	Medium/High	Thin thicknesses. For castings for coating, diamond coating, etc. <u>Polysiloxane-free release agent</u> . Release capabilities are significantly lower than with polysiloxane products.

Release agent - The “special products”



Product	Base	Characteristics
Bonderite L-CA CP-750 Formerly Deltacast CP-750	Water-free	<p>WATER-FREE products are not new but they have recently been attracting a great deal of interest due to the considerable benefits they offer. Here are some of them:</p> <ol style="list-style-type: none">1)They allow a significant reduction in water consumption. This factor has an impact on the more environment-conscious companies.2)They reduce waste disposal costs, which are constantly on the increase.3)They improve the working environment, since fume emission is very low.4)They increase the lifetime of equipment, since they reduce the thermal stress on dies and have a lubricating effect on the die-casting machine.5)In general, they reduce the operating costs related to lubricants, since the volumes used are up to 80% lower than with conventional types. <p>It must be underlined that specialist knowledge is necessary when launching this technology, for example when designing dies and deciding the minimal product dosages (of the order of grams for each casting); the level of experience of the person offering the technology is therefore essential, although it offers considerable cost savings.</p>

