




# HeBoCoat® POWER LINE






Release and lubrication – the complete package

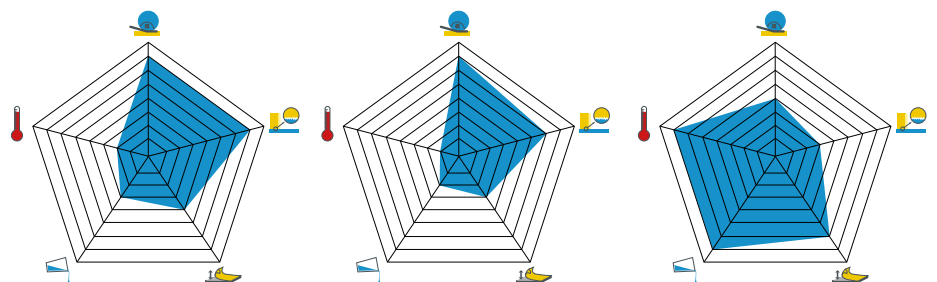
Every industry has different requirements and tasks. To satisfy these different requirements, a broad product portfolio such as the **HeBoCoat® POWER LINE** is required. All **HeBoCoat® POWER LINE** products are focused on cutting and lubricating. Optimum layer formation, simple processing as well as its high substrate adhesion characterise this line. These products are used, for example, as release agents for sintering, welding and soldering processes, as lubricants in plastics and glass processing or as coatings for tools in foundries. The boron nitride protective coating significantly increases tools and systems' service life and improves process safety and productivity.

	HeBoCoat® PL-W 130	HeBoCoat® PL-W 200	HeBoCoat® PL-W 250
<b>Base</b>	water	water	water
<b>Binder</b>	Boron compounds	Polymer	Aluminium oxide
<b>Binder stability</b>	~ 400 °C	~ 300 °C	~ 900 °C
<b>Solid content</b>	16 %	23 %	37 %
<b>Boron nitride</b>	13 %	20 %	25 % *
<b>Colour</b>	White	White to amber	Grey
<b>Surface adhesion</b>	+	+	++
<b>Release action</b>	++	++	+
<b>Lubrication effect</b>	++	++	+
<b>Application</b>			

+++ excellent / ++ very good / + good / o moderate

\* The product **HeBoCoat® PL-W 250** contains boron nitride as well as other ceramic components.




-  Release effect
-  Lubricant effect
-  Surface adhesion
-  Viscosity
-  Temperature stability of the binding system








The data quoted in this leaflet are typical for the material. They are intended as a guide only and should not be used in preparing detailed specifications. Actual product data may deviate from the figures given. We reserve the right to alter product data within the scope of technical progress and new developments. Since processing involves factors that are beyond our control, recommendations made in this leaflet should be checked by preliminary trials, especially for third party applications. These recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, from clarifying the situation.

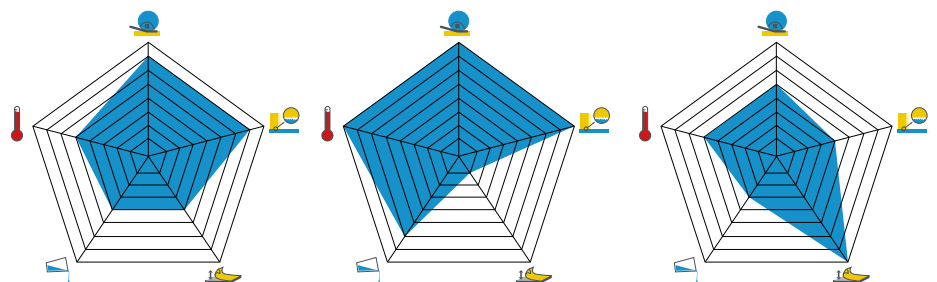
**HeBoCoat®**  
**POWER LINE**

Release and lubrication – the complete package

	HeBoCoat® PL-W 300	HeBoCoat® PL-W 310	HeBoCoat® PL-E 125
<b>Base</b>	water	water	Ethanol
<b>Binder</b>	Polymer	none	SiO <sub>2</sub>
<b>Binder stability</b>	~ 300 °C	n.a.	~ 900 °C
<b>Solid content</b>	32 %	30 % +/-1	22.5 %
<b>Boron nitride</b>	30 %	30 % +/-1	12,5 %
<b>Colour</b>	White	White	White
<b>Surface adhesion</b>	+	o	+++
<b>Release action</b>	++	+++	++
<b>Lubrication effect</b>	++	+++	+
<b>Application</b>			

+++ excellent / ++ very good / + good / o moderate




-  Release effect
-  Lubricant effect
-  Surface adhesion
-  Viscosity
-  Temperature stability of the binding system








The data quoted in this leaflet are typical for the material. They are intended as a guide only and should not be used in preparing detailed specifications. Actual product data may deviate from the figures given. We reserve the right to alter product data within the scope of technical progress and new developments. Since processing involves factors that are beyond our control, recommendations made in this leaflet should be checked by preliminary trials, especially for third party applications. These recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, from clarifying the situation.

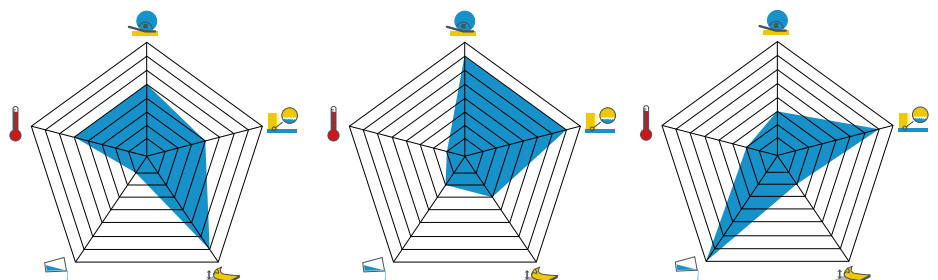
**HeBoCoat®**  
**POWER LINE**

Release and lubrication – the complete package

	<b>HeBoCoat® PL-EA 125</b>	<b>HeBoCoat® PL-E 200</b>	<b>HeBoCoat® Wax Stick</b>
<b>Base</b>	Ethanol / Acetone	Ethanol	Wax
<b>Binder</b>	SiO <sub>2</sub>	Polymer	Wax
<b>Binder stability</b>	~ 900 °C	~ 300 °C	~ 300 °C
<b>Solid content</b>	22.5 %	24.0 %	100 %
<b>Boron nitride</b>	12,5 %	20.0 %	15,0 %
<b>Colour</b>	White	White	White
<b>Surface adhesion</b>	++	+	+
<b>Release action</b>	++	++	+
<b>Lubrication effect</b>	+	++	++
<b>Application</b>			

+++ excellent / ++ very good / + good / o moderate

-  Release effect
-  Lubricant effect
-  Surface adhesion
-  Viscosity
-  Temperature stability of the binding system



The data quoted in this leaflet are typical for the material. They are intended as a guide only and should not be used in preparing detailed specifications. Actual product data may deviate from the figures given. We reserve the right to alter product data within the scope of technical progress and new developments. Since processing involves factors that are beyond our control, recommendations made in this leaflet should be checked by preliminary trials, especially for third party applications. These recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, from clarifying the situation.