

# RELEASE AGENTS SELECTION GUIDE

Release agents are an essential step to ensure success during mould making and casting. Not all applications require a release agent, however, they may also assist in de-moulding parts and mould longevity. We strongly recommend conducting adequate testing to ensure compatibility with your chosen systems and materials. For some applications, a combination of release agents may be required. Please contact Barnes technical support staff for further assistance at [tech@barnes.com.au](mailto:tech@barnes.com.au) or call 1300 731 497.

The Barnes Release Agents Selection Guide provides a summary of information on the various release agents and ancillary sprays available. For more detailed information, please visit each products page on our website and if applicable refer to the Technical Data Sheet.

Product	Application	Description
<b>E236</b>		Urethane Mold Release is specially formulated as a release agent and anti-stick lubricant for molded polyurethanes.
<b>E302</b>		A non-silicone based release agent that allows painting of moulded parts and is food grade.
<b>A324</b>		Specially formulated to release moulded silicone rubber, rubber, and similar materials. Primarily used for silicone to silicone applications.
<b>J-WAX</b>	  	General purpose release agent which can be used with polyurethane, epoxy, polyester and silicone, where a silicone based release is not desired.
<b>Ultralease EPX GP</b>		Micro-thin film forming release agent that impedes the degradation of the mould and yields longer mould life. Excellent choice for epoxy resins.
<b>Challenge 95</b>	 	Primarily a release for flexible and rigid polyurethane elastomers and foams. Can also be used to aid in release from plaster, polyurethane and epoxy moulds.
<b>TR-102 Paste Wax and RM Wax</b>	 	A carnauba based paste wax used as a release on hard surface moulds or for polyester and epoxy resins.
<b>Petroleum Jelly</b>	 	General purpose release/sealer for various applications.
<b>Flexi-Coat</b>	 	Water based release agent designed for use when casting concrete or plaster. Should only be applied to cured polyurethane rubber moulds.
<b>Pure Lube Mould Soap</b>	 	A pure liquid non-detergent soap separator. For use when casting plaster/gypsum into a plaster mould. Prevents plaster/gypsum products from adhering to most porous surfaces.
<b>PVA</b>	 	A special formulated release for the fiberglass industry. Best used in conjunction with a wax style release agent for an additional barrier.
<b>Concentrated Silicone Spray</b>		Contains a blend of silicone to provide lubrication, protection and less binding.
<b>Graphite Powder</b>		Used to dust into moulds before pouring low melt alloys.
<b>Vinyl Strip Spray</b>		Vinyl strip spray is applied to wet clay to act as a barrier coat and seal in moisture. Use in conjunction with a suitable release with your casting/laminating material.
<b>Poly-Purge</b>		An aerosol spray that extends the product life of polyurethanes.



AEROSOL



BRUSHED



SPRAY GUN



WIPED/BUFFED