# Quick Cure® 360

Quick Cure 360 is a mechanical mixture of nitrate and nitrite salts formulated for a specific range of operating temperatures. Quick Cure 360 costs a little less than Quick Cure 275 but is not a eutectic mixture and does not have a sharp melting point.

## Features & Benefits

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| High purity | Consistent melting point<br>Lower consumption |
| Low melting point | Reduced energy cost |
| Packaging flexibility | Multiple handling options |
| Free flowing powder | Safer addition |

## Physical Data

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| Melting point | 360°F |
| Weight | 122 lb /ft$^3$ |
| Operating range | 380°F - 1100°F |

## Typical Applications

- Drawing or tempering hardened steels
- Heat treatment of beryllium alloys
- Bluing steels (600°F – 700°F)

DO NOT use for martempering as Quick Cure 360 is not as fluid as Quick Cure 275 and will not quench the parts fast enough for a martempering operation.

## Operating Conditions

It is not usually necessary to control the Quick Cure 360 salt bath chemically as the bath is chemically stable and it is necessary only to replace the drag out with new Quick Cure 360

When the salt bath is used for tempering steels or heat-treating beryllium alloys, replenishment of drag out is all that is necessary.

Do not allow sodium cyanide or carburizing salts to be introduced into the molten Quick Cure 360 salt bath as a violent reaction would occur or an explosion. Also, do not get any organic materials into the salt bath.

Equipment

Standard salt bath pot furnaces are available which are heated either electrically, or by gas or oil. Cast, pressed steel, welded steel or ceramic pots can be used. Ceramic pots are used only with immersion electric heaters.

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