

## Alfa Ceramic 90

Alfa Ceramic 90 is the first choice of technicians when it comes to first class performance alloys. It has since long been the obvious choice for restorations needing precise and beautiful color. Alfa Ceramic 90 is a high gold, rich yellow porcelain-bound-to-metal alloy. Alfa Ceramic 90 is very easy to work, has excellent porcelain bonding properties, and is one of the main alloys on the market for flawless aesthetic restorations.

### COMPOSITION

<b>Au</b>	89,5 %	<b>Ag</b>	1,2 %
<b>Pt</b>	5,8 %	<b>Ir</b>	0,6 %
<b>Pd</b>	1,6 %	<b>Sn</b>	0,3 %
<b>Fe</b>	0,2 %	<b>In</b>	0,8 %

### TECHNICAL DATA

<b>Colour</b>	Yellow
<b>Hardness</b>	135 Vickers [a]
<b>Elongation</b>	10 %
<b>Fusion Temperature</b>	1300 °C
<b>Casting Temperature</b>	1040 – 1150 °C
<b>Density</b>	18,8 g/cm <sup>3</sup>
<b>Thermal Expansion Coef.</b>	15,0

### USERS MANUAL

<b>Pre-heating temp</b>	800 – 850 °C
<b>Pre-heating time</b>	1x and 3x culverts 30 min when the furnace has reached the end temperature. 6x and 9x culverts 60 min when the furnace has reached the end temperature.
<b>Surface treatment</b>	Remove investment by sandblasting or chemical reagent. Blasting with aluminium oxide, 100-150 my.
<b>Degassing</b>	Starting temp. 600 °C up to 980 °C, 2 min. air, 2 min vacuum.
<b>Solder</b>	1030 °C, Recommended: Alfa Lod, 1030 °C