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N&V MG-Vest

Partial Denture System

The MG-Vest partial denture system draws on today's technology to raise the standard of partial framework to a higher level in the 21st century. It uses a rapid cast phosphate bonded investment in coordination with a silicone duplicating system and a high quality, enriched partial denture alloy to offer precise models that result in precision cast framework.

MG-Vest Partial Investment

MG-Vest draws on today's technology to offer you a true rapid cast phosphate partial investment. Unlike other partial investments MG-Vest does not require any messy liquids or solutions to produce a high quality partial denture. With MG-Vest refractory models will be smooth and ready for waxing as soon as 30 minutes after being poured. Once waxing is completed the cylinder can be poured and remain on the bench for a minimum of 15 minutes.

When the bench set is completed the cylinder can be placed directly into a hot oven at temperatures up to 1950° F. However with MG-Vest rings can be allowed to sit on the bench for hours or days until you are ready to cast them. Once the ring has preheated for the appropriate time, usually 1 hour, it is ready to be cast. Devesting is very light and there will be no need for extensive finishing time. Framework will be of unsurpassed accuracy and it was all completed in less than 2 hours, requiring far less preparation and finishing time. This allows for an increase in productivity thorugh flexible casting procedures.

NV-Sil NV-Sil has been formulated to meet the needs of all demanding laboratories. Use NV-Sil in coordination with MG-Vest to obtain the absolute best results from your work. It has a smooth consistency and can be poured with minimal vibration to obtain bubble free duplications. Once poured the silicone is absolutely precise and renders exact duplications of models. It has a shore hardness of 23.

Chroloy Chroloy offers the ideal combination of strength and flexibility. It requires the ideal melting temperature for casting partials with a phosphate investment such as MG-Vest. Like all N&V alloys it does not require extensive heating to melt and flows quite easily. The shorter heating time allows for very little oxide buildup which results in far less finishing time.

Chroloy Composition

Co:64% • Cr:29% • Mo:6.5%

Chroloy Physical Properties

Melting range	1346°C [2454°F] – 1425°C [2597°F]
Percent of elongation	6%
Vickers Hardness [HVN]	370 HV10
Modulus of elasticity	207 GPa
Maximum tensile strength	616 MPa
Yield strength	525 MPa
Density	8.2 g/cm^3

80082 MG-Vest Powder
45 env x 400 g

80040 Expansion Liquid
1 Liter
Liquid is not freeze stable

90050 NV-Sil
2 x 1 kg bottles

70020 Chroloy Partial Alloy
500 g

70025 Chroloy Solder
10 g

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