

Platinum Plus™

Frequently Asked Questions

Q) What makes Platinum Plus™ unique?

Platinum Plus™ is a first-of-its-kind Noble alloy available exclusively from Argen (patent pending). It has zero palladium and zero silver, is strong and ductile, and is significantly less expensive than NobleCrown NF.

Q) What is Platinum Plus™ indicated for?

Platinum Plus™ is indicated for PFM restorations up to 14 units.

Q) What is the compatibility of Platinum Plus™?

Platinum Plus™ is compatible with most porcelains.

Q) What forms is Platinum Plus™ available in?

Platinum Plus™ is available in ingots for casting, SLM, and DPM.

Q) What is the composition of Platinum Plus™ vs NobleCrown NF?

Element	NobleCrown NF	Platinum Plus™
Palladium	25	0
Platinum	0	20
Ruthenium	0	5.7
Chrome	20	29.3
Molybdenum	10	0
Cobalt	45	43.5
Manganese, Silicon	–	<1

Q) What are the physical properties of Platinum Plus™ vs NobleCrown NF?

Platinum Plus™ is easier to grind, stronger for thin wall copings and frameworks yet more ductile.

Physical Property	NobleCrown NF	Platinum Plus™
Vickers Hardness	335	314
Tensile Strength	690 MPa	960 MPa
Yield Strength	620 MPa	710 MPa
Elongation	4%	10%

Q) What are the thermal properties of Platinum Plus™ vs NobleCrown NF?

Platinum Plus™ has a more universal thermal expansion coefficient and is easier to cast.

Thermal Property	NobleCrown NF	Platinum Plus™
CTE @ 500C	14.4	14.3
CTE @ 600C	14.8	14.6
Melting Range	1250-1290C	1370-1420C