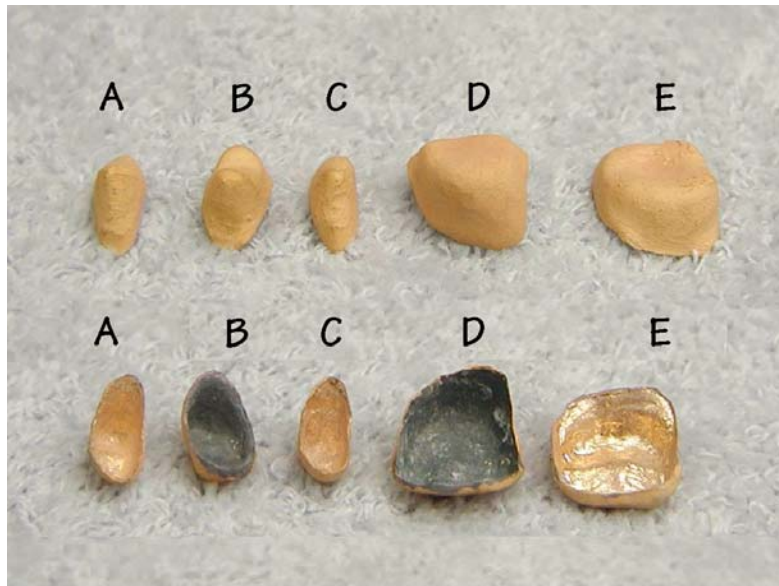


Biolume' Interface Bonder / Illuminator Instructions



May Be Used With ANY Porcelain Alloy Combination



The photograph on the left shows several different alloys that we have used Biolume' on the interface.

"A" is 24k Heliformed Gold (electroformed) "B" is 87% gold

"C" is electroformed 24k gold from Gramm "D" is Non Precious "E" is Captek

All of these alloys will function with Biolume' to provide high strength aesthetic restorations.

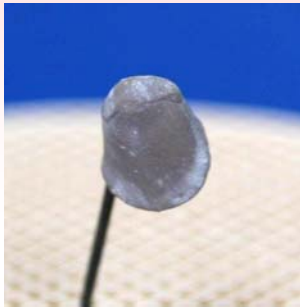
As you can see from the occlusal view all of the alloys look the same.

Any alloy that is suitable for use with porcelain is compatible with Biolume'

Easy Step Process

Degas Coping
with Opaque Wash

1



Apply Biolume'
to fired wash coat

2



Fired Biolume'

3



Firing

Apply thin coat of Biolume & fire

Entry Temp
500° C / 932°F

Entry Time
"O"

Rate
80°C

Vac
NO

High Temp
880oC / 1616°F

Hold
30 Seconds

Process opaque firing in your normal manner

23Kaplite Effect

Alternate Step Process

Step One

After Glazing porcelain
Clean inside of crown with
Al₂O₃ oxide 50 to 100 micron



Step Two

Apply thin coat of Biolume & fire

Entry Temp	Entry Time	Rate	Vac	High Temp	Hold
500° C / 932°F	"O"	80°C	NO	840oC / 1544°F	30 Seconds

The internal layer is approx. 3 to 4 microns thick – it does not affect fit.

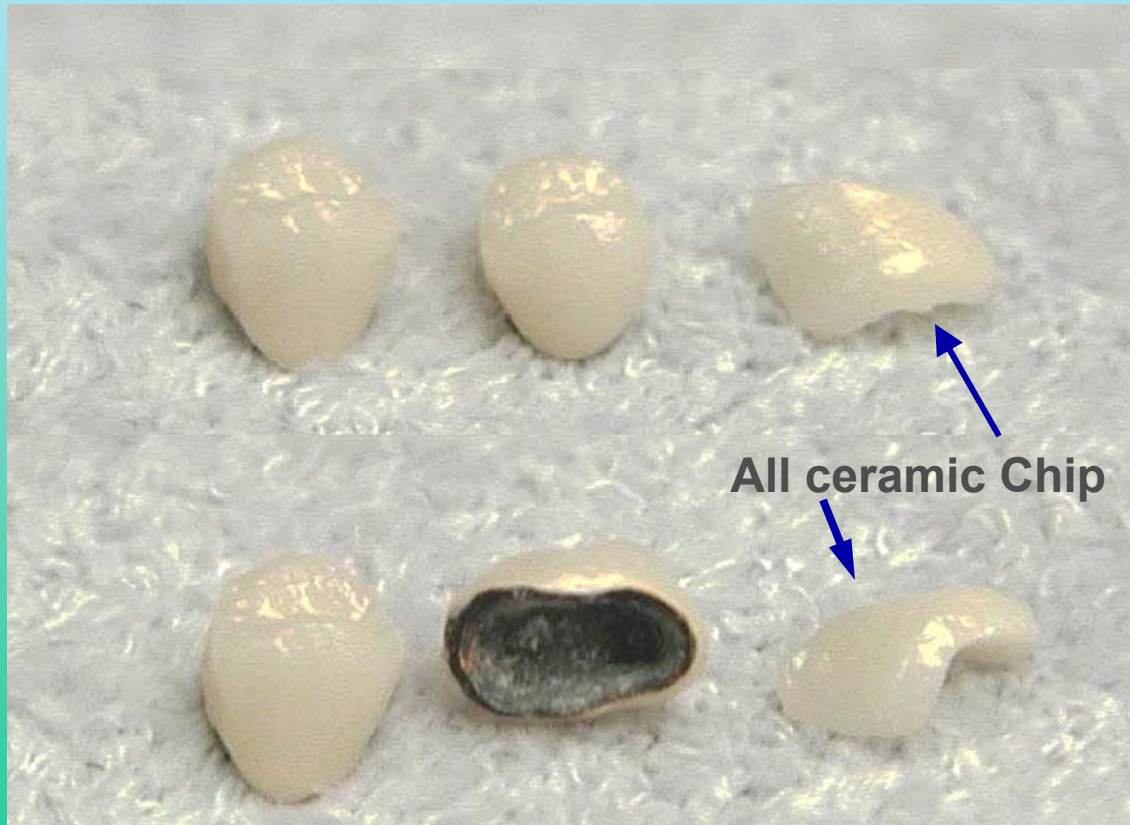


Step Three



After firing to 840c / 1544 f blast at 30 PSI with GLASS beads , this will leave the inside of the coping bright 24k gold. This leaves a Biogenic finish line & minimizes tissue shadows caused by a dark coping interior.
This technique does not work perfectly on some NP alloys

Amazing Results



Triple Fracture Resistance

Electroformed Coping



Cast 92% Gold 8%Platinum

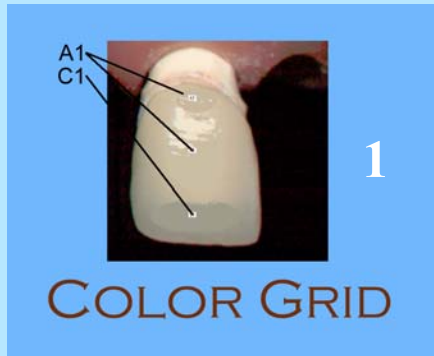


All units hit 5 times with 5 lb steel hammer

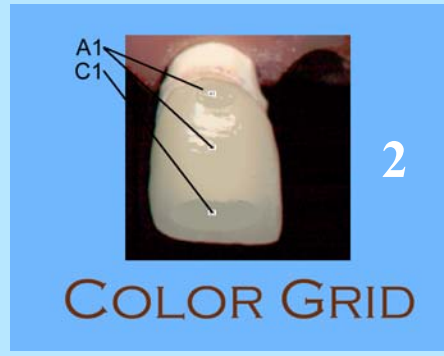


Non Precious Alloy

Biolume offers the BEST Shading



Without Biolume'

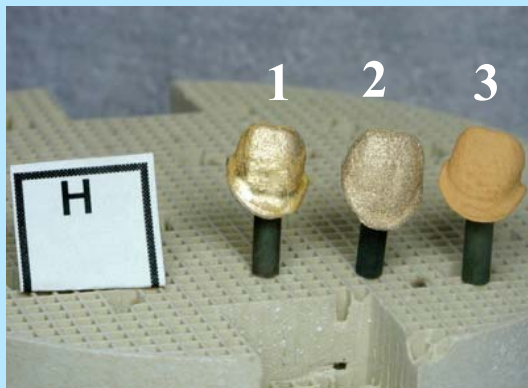


Without Biolume'



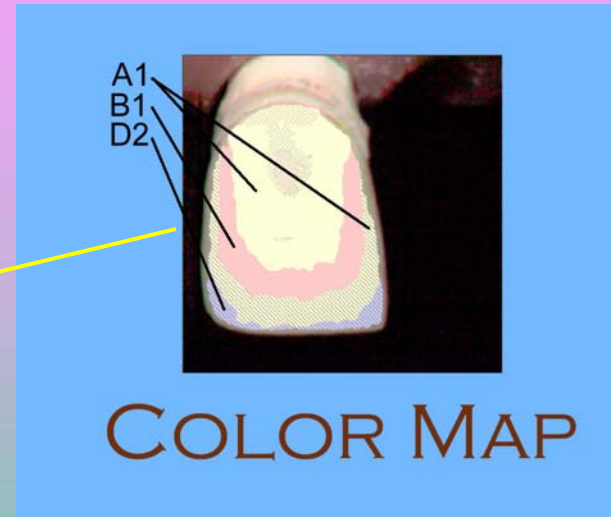
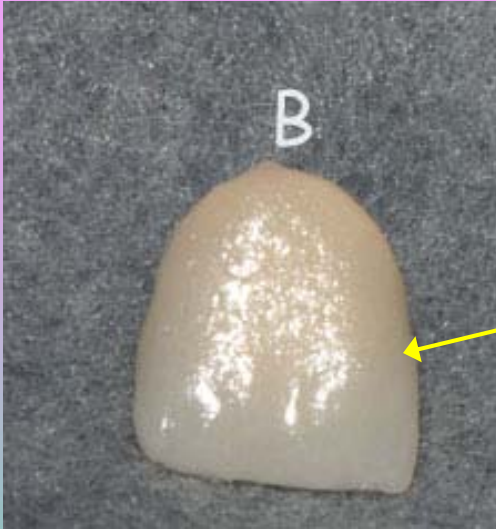
BIOLUME'

CAPTEK 1 2



Interface Illumination Effects

Without Biolume'

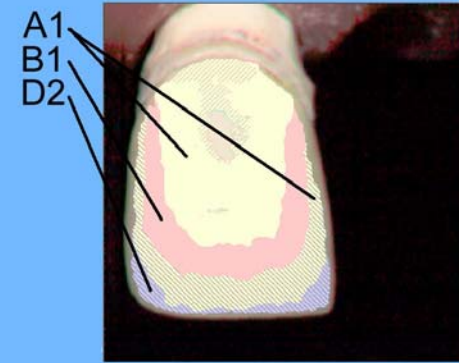


87% gold , WITHOUT Biolume' the oxides cause a color loss that reflects B1 & D2 instead of A1

ALL of the shade samples shown in this presentation are opaqued & built with Shade AI.

Interface Illumination Effects

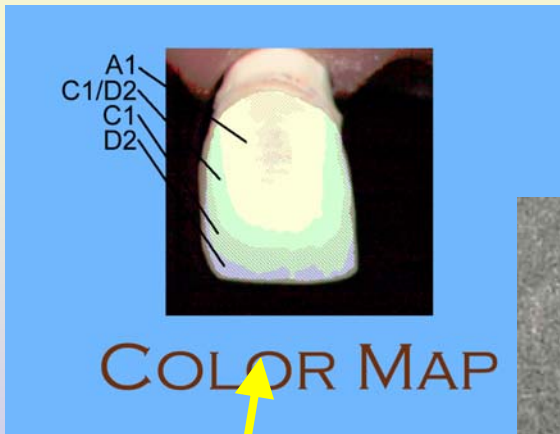
Without Biolume'



COLOR MAP

Sintertech reflects the same as Captek Brand, When the interface does not reflect full spectrum illumination. Then the shades reflect a cooler shade. Both of these products perform perfectly when Biolume; is used on the interface.

Interface Illumination Effects



Without Biolume'



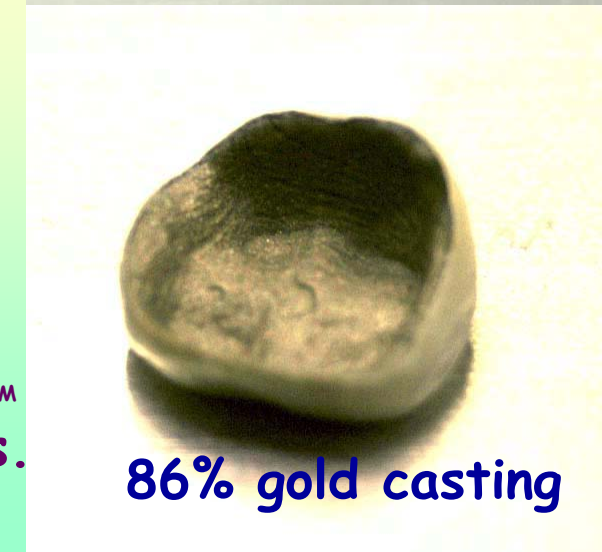
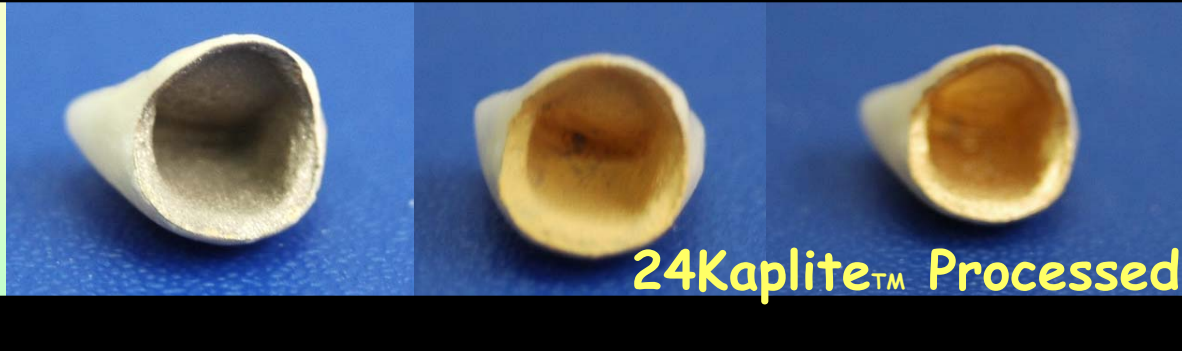
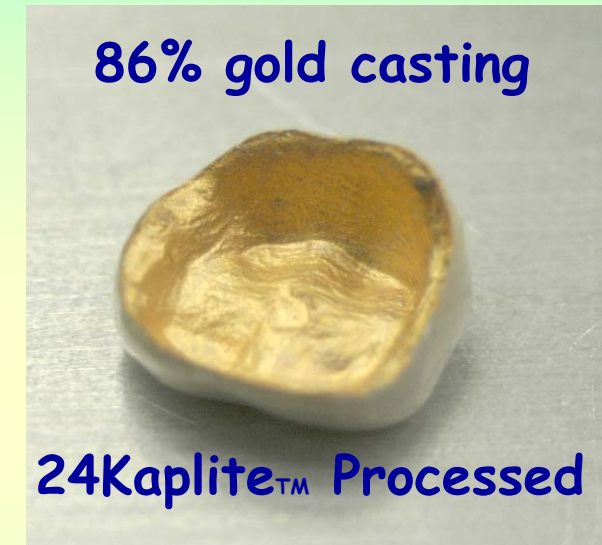
Biolume'
Interface



There is a tremendous loss of vitality when the white ceramic alloys oxides are not compensated for.

On the same grey oxidizing alloy Biolume' provides a perfect shade

Biolume' 24Kaplite™ Effect Offers Tissue Illumination & Biogenic Effect Finish Lines.



Biolume' is suitable for all alloys / 24Kaplite™ effect shown, eliminates dark tissue shadows.