Authentic®

INGOT SELECTION GUIDE

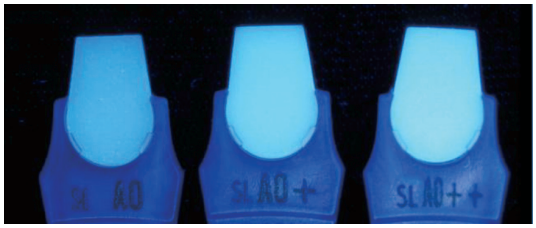
The Authentic ingot shades are keyed to the Vita Classic® shade system.

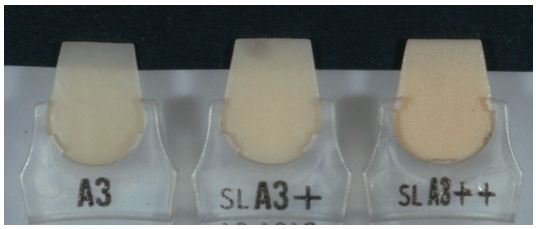
OPACITY:

They are divided into four different opacities:

- **20% Opacity** — Translucent ingots
- **30% Opacity** — Standard Dentin ingots
- **45% Opacity** — + Dentin Ingots
- **70% Opacity** — + + Dentin Ingots

NOTE: All ingots can be used for either the staining or layering techniques





LAYERING TECHNIQUE:

When using the layering technique, choose the ingot according to the desired dentin shade.

STANDARD DENTIN INGOTS:

Fluorescent, dentin colored ingots

These ingots are indicated for use when optimal tooth color and reduction are present (Full crowns = 1.2 - 1.5mm / Veneers = 0.6 - 1.0mm).

+ DENTIN INGOTS:

Fluorescent, dentin colored ingots of slightly higher opacity than Standard Dentin ingots

These ingots are indicated for use when slight imperfections in tooth color are present, or slightly less than optimal tooth reduction is achieved. At ideal thicknesses of 1.2 – 1.5mm, these ingots will exhibit a slightly higher chroma and value than the selected shade on the shade guide.

++ DENTIN INGOTS:

Fluorescent, dentin colored ingots of very high opacity

These ingots are indicated for use when masking dark preps, metal posts and old amalgam fillings, or when teeth are significantly under reduced. At ideal thicknesses of 1.2 – 1.5mm, these ingots will exhibit a dramatically higher chroma and value than the selected shade on the shade guide.

STAINING TECHNIQUE:

When using the staining technique, choose the ingot that approximates the desired enamel color and translucency.

CT INGOT:

Fluorescent and very transparent ingots in various colors
These ingots are indicated for use when making inlays, partial crowns and veneers.

T INGOT:

Fluorescent ingot in various levels of translucency
These ingots are indicated for use when making occlusal inlays or small single veneers within the enamel. The lower the number indicated on the pellet, ie.T1 or T2, the higher the translucency.

T+ INGOT:

Fluorescent ingot with higher opacity than the standard T ingot
These ingots are indicated for use when making bleached veneers or veneers that require some masking ability.

LIGHT SHADED INGOTS:

Lighter than A1

- A0, A0+, A0++
- A00, A00+
  (not available in ++)

Bleached Shades

- W, W+, W++
- OP1+ (opalescence) *

Lighter than B1

- B0, B0+, B0++
- B00, B00+
  (not available in ++)

*This ingot displays amazing vitality and esthetics but is not recommended for use when masking of metal posts or dark or discolored preparations is required.

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Ingot Selection

Empress®
0 2 = W + +
0 1 = W +
T 1 = T 1 +
T 2 = T 2 +
T C 1 = B 0 +
T C 2 = A 0 +

Shade Conversion

Chromascop - Dentins	Vita® 3-D Dentins
0 1 0 = W + +	0 M 1 = W + +
0 2 0 = W +	0 M 2 = W +
0 3 0 = B 0 0 +	0 M 3 = W +
0 4 0 = B 0 +	

OPACITY AVAILABLITY:

THE FOLLOWING SHADES ARE NOT AVAILABLE IN + OPACITY:

A4, B4, C4, D4

Using the A, B, C, D paste stains, A3.5++ can be stained to make A4++, B3++ can be stained to make B4++, and C3++ can be stained to make C4++.

THE FOLLOWING SHADES ARE NOT AVAILABLE IN ++ OPACITY:

A00, A4, B00, B4, C1, C2, C4, all D shades.

Using the A, B, C, D paste stains, the A0++ ingot can be stained to achieve C1++/C2++ shades and D2++ shades.

A HELPFUL TIP!

If there is no discoloration of the prep and tooth reduction is ideal (between 1.2 – 1.5mm), but you still wish to use the + or ++ ingots, it is recommended that you select an ingot one shade lighter than the desired shade.

EXAMPLE:

If your target shade is an A3 but you want the opacity of + or ++ ingots, you would choose an A2+ or A2++. This is because the A3+ or A3++ ingot, when pressed at 1.2 – 1.5mm, will most often result in a finished crown that's too high in chroma.

If you select an A2+ or A2++ ingot, you may have to slightly increase the color saturation in the cervical area using stain or colored transparencies, but the body and incisal areas will be much closer to the desired A3 shade.

For additional shade suggestions visit us at www.jensendental.com and click onto Authentic porcelain or call our friendly technical support staff for further guidance.