

# DALE DENTAL

## PRODUCT TECH SPECS

### Captek

**MANUFACTURER** – Captek [www.captek.com](http://www.captek.com), 800.921.2227

**YEAR LAUNCHED** – 1995

**AVAILABLE AT DALE DENTAL SINCE** – 2001

**CERTIFICATIONS** – Dale Dental is a Certified Captek Laboratory

**DESCRIPTION** – The unique structure of the “metal Composite” is the core reason Captek’s esthetic qualities are matched with its strength, versatility, and plaque resistance. The dies are duplicated using a special refractory material. A layer of “P” material consisting of platinum and palladium in a wax base is adapted to the refractory die and fired. Once fired, this “P” layer with the wax burnt-out becomes the skeletal frame to which the second layer of gold or “G” material is applied. The “G” material, which consist of gold to interpenetrate the remaining spaces in the platinum/ palladium mesh forming a uniquely designed skeleton of strong, stable platinum/ palladium particles that support the gold. Finally, a proprietary bonder is applied to the coping creating a perfect background for porcelain that looks vital and naturally blends in.

Learn more at [www.DaleDental.com](http://www.DaleDental.com)

### RESTORATION SELECTOR SMARTCHART

Indications		
<b>Single Unit</b> Yes	<b>Bridges</b> Up to 2 units posterior Up to 4 units anterior	<b>Laminates</b> No
<b>Inlay/Onlay</b> Yes	<b>Material</b> High Noble (HN)	<b>Flexural Strength</b> –
<b>Thickness</b> .25 mm to .35 mm	<b>Span</b> Up to 20 mm if case is ideal*	<b>Prep Type</b> Any
<b>Coping Color</b> Gold	<b>Translucency</b> None	<b>Cements</b> Contact manufacturer for details
<b>Turnaround</b> Next Day, 2 Day, 3 Day, 4 Day, 5 Day	<b>Porcelain Type</b> Contact manufacturer for specific details and compatibility	<b>Porcelain Trial Sizes Available at Dale Dental</b> No

\* when a posterior bridge has more than 1 pontic and the space between abutments is more than 15 mm, check for vertical clearance, occlusal to margin space for a good connector, and that the patient has a good bite and is not a “bruxer”

### LABORATORY PREPARATION

Start with a model made from a class IV, or equivalent die stone. Do not use wax block out material on bridge abutments. The model base should have a smooth bottom. All segments of the saw cut model have to be removable and secured against rotation. Working models must be pinned and cut with all sections removable.

**Single Units** – Single unit anterior teeth will be completed at approximately .25 mm and posterior teeth at approximately .35 mm, unless otherwise requested. All single units will be returned for full porcelain coverage unless a margin, collar or porcelain margin has been requested.

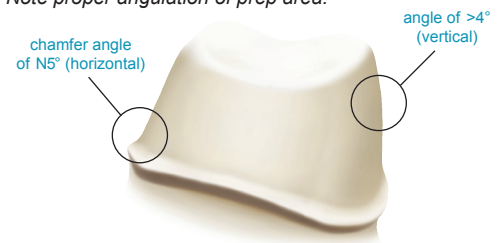
**Bridge Units** – Bridge abutment copings will be returned for full porcelain coverage unless a margin, collar or porcelain margin design has been requested. Metal margins should be noted on the prescription in the notes section as 180°, 360° or custom.

#### Build-ups

Severely prepped teeth should be built up.

#### Angulation

Note proper angulation of prep area.



#### Model Prep

**Stone Color** – Any

**Stone Type** – Type IV die stone or similar

**Stone Expansion** – Low

**Block out** – Do not block out

**Margin** – The die must have a ditched margin; use a margin pencil to outline the finish line on the die(s). Please mark the buccal and lingual of your die when sending single units. All Captek units are returned for full porcelain coverage unless a collar, metal or porcelain margin has been requested. Margin designs should be noted on the prescription as 180°, 360° or custom.

**Conditioner/Sealer** – Do not apply conditioner or sealer

**Die Spacer** – Apply die spacer

**Wax Ups** – If specific design is in mind, send wax up and we can duplicate.

**Articulator** – Please include articulation for splint and bridge cases. An articulation is not necessary if the case can be hand set. If articulation is included the model must be removal from it. If case is difficult to articulate, please send bite registration.

(continued on back)



## COMPLETING THE RX

- Write in your patients name and choose a turnaround time
- Indicate tooth numbers
- Select Captek from the list by checking the corresponding box
- Indicate the desired thickness and collar design.
- Metal margins should be noted on the Dale Dental Rx in the notes section as 180°, 360° or custom
- Select Elite service level (optional)

**ELITE LEVEL SERVICE** – Elite Level Service for Cercon crowns and bridges gives your case priority status throughout the manufacturing process. Included in this are:

**Enhanced Customer Service and Technical Support** – Hallmarked by an even greater degree of customer interaction.

**Priority Sorting Upon Receipt** – Using Elite urgent stickers, this initial presort moves Elite cases into production first on that day.

**Guaranteed Availability** – Guaranteed capacity allocations on all machinery and resources.

**Redundant Technical Checkpoints** – Case attributes are observed frequently at various stages of production.

**Additional outbound insurance** – At no extra cost, this added benefit covers your articulators or other valuable items which may be included in your case.

*Please see the Dale Dental Pricing Sheet for pricing details.*

**RECEIVING YOUR CASE** – Copings are returned with UCP Bonder applied and are ready for porcelain application. Do not air abrade. Steam clean or ultrasonic bath and proceed to opaque. Opaquing must be done in two steps: First, a light slurry bake applied with a firm shorthaired brush. This will allow you to massage the first wash of opaque into the bonder layer which will aid interface penetration. A second application at the desired thickness may then be applied.

Porcelain Layering – Captek build-up uses the same build up technique as conventional PFM crowns.

**FINISHING NOTES** – Caution: Avoid using hemostats on your Captek copings.

**STRIPPING** – Stripping copings and bridge frameworks can be completed with Hydrofluoric acid or Hydrofluoric acid substitute. This will remove applied porcelain and will not damage your frame.

*If you have any questions or for more information please contact our technical service support at 888.GET.DALE (888.438.3253).*

## LABORATORY PREPARATION

*(continued)*

**Splints** – If there are splints, the interdental space between the margins must be a minimum of 1 mm.

**Packaging** – Package dies separate from model to prevent damage while shipping; separate dies **MUST** be numbered.

**Please note** – Including other items such as study models, articulators, matrixes, and/or photographs could help us to create an improved framework design. (Extra charges will apply)

**Do not send** – Impressions

## CLINICAL PREPARATION

*If you need information for your dentist, please contact the system manufacturer or a Dale Dental customer service representative at 888.GET.DALE (888.438.3253).*

## THANK YOU FOR CHOOSING DALE DENTAL

*Since 2000, Dale Dental has worked hard to earn your business and – more importantly – your trust. From the latest products to the best customer service, here are just a few of the ways we continue to be your resource for copings and bridge frameworks.*

**Secure & Non-competitive** – We do not compete for your dentist clientele because we don't work with dentists. We are America's first dental lab exclusively for dental labs.

**Experienced** – Our specially trained technicians maintain an in-depth system knowledge and are committed to finishing cases that meet or exceed exacting manufacturer standards.

**Consistent & Reliable** – With an on-time delivery of over 99% and inbound and outbound email notifications sent daily with delivery tracking hyperlinks for each case, your assured of keeping your customers satisfied.

**Informative & Progressive** – Login to our website to see the status of your cases or provide feedback through on-line quality control cards that instantly display your feedback to the technicians responsible for your cases.

**Certified** – Dale Dental is the first outsourcing dental laboratory in the United States and among the first worldwide to obtain the ISO 9001:2008 certification. We are also a CDL laboratory and employ CDT technicians in many supervisory positions.

**Friendly** – You can always count on our welcoming, professional and well-informed staff to answer questions about the products and services we offer.

*At Dale Dental, we know you have choices. And we're proud you've chosen us.*

