

DALE DENTAL

PRODUCT TECH SPECS

Empress® Original Layering

MANUFACTURER – Ivoclar Vivadent, www.ivoclarvivadent.com, 800.533.6825

YEAR LAUNCHED – 1991

AVAILABLE AT DALE DENTAL SINCE –

CERTIFICATIONS – Dale Dental is a Certified IPS Empress Laboratory

DESCRIPTION – All Empress restorative products are fabricated using the lost wax technique. Using this technique, waxed patterns of crowns or laminates are invested and put through a burn-out process. Small ingots of the desired shaded glass material are then placed into the heated ring, molten and pressed into the pattern using specialized Ivoclar pressing equipment. The process yields accurate, highly esthetic units that can be layered with additional porcelains and stained to achieve the desired color.

Learn more at www.DaleDental.com

RESTORATION SELECTOR SMARTCHART

Indications		
Single Unit Yes	Bridges No	Laminates Yes
Inlay/Onlay No	Material Leucite – reinforced glass ceramic	Flexural Strength 160 +/-8 MPa
Thickness .08 mm to 2.0 mm	Span —	Prep Type Any
Coping Color Shaded	Translucency Medium	Cements Contact manufacturer for details
Turnaround Next Day, 2 Day, 3 Day, 4 Day, 5 Day	Porcelain Type Contact manufacturer for specific details and compatibility	Porcelain Trial Sizes Available at Dale Dental Yes

LABORATORY PREPARATION

Start with a model made from a class IV, or equivalent die stone.

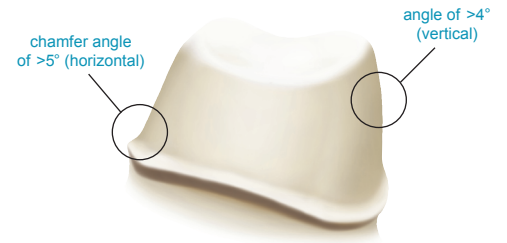
Stump Die – Stump dies can be helpful in both staining accuracy and the handling of your Empress units. Please be sure to include the patient's preparation shade when requesting a stump die. Make sure to place a check in the Stump Die box and include the stump shade if you are requesting a stump die.

Build-ups

Severely prepped teeth should be built up.

Angulation

Vertical walls and sharp line angles are difficult for the In-Ceram process. Note proper angulation of prep area.



Model Prep

Stone Color – Light color stones such as white or buff work best and yield the most accurate result.

Stone Type – Type IV die stone or similar

Stone Expansion – Low

Block Out – Yes

Margin – The die must have a ditched margin. Use a margin pencil just below the margin line to outline the requested margin design on the die(s).

Conditioner/Sealer – May apply sealer

Die Spacer – Apply die spacer to within 1 mm of the margin. For very retentive preparations an additional thin coat of removable die spacer is also applied to within 1 mm of the margin.

Wax Ups – Fabricate a full anatomical wax-up using your choice of a low ash dental wax. The minimum thickness of a wax pattern is .8 mm for crowns and .7 mm for laminates. To assure an accurate pressing, we may add to areas that do not meet the minimum thickness requirements. Be sure to use clean materials when waxing your case. Please keep in mind, metal debris from adjacent workstations can contaminate your wax-up and metal particles in your wax-up will be reproduced in your final restoration.

Packaging – Ship dies and wax-ups only

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

Do Not Send – Impressions



COMPLETING THE RX

- Write in your patients name and choose a turnaround time
- Indicate tooth numbers
- Select Empress from the list by checking the corresponding box
- Write "Original" in the Shade area and check your preference for a stump die
- Select Elite service level (optional)

ELITE LEVEL SERVICE – Elite Level Service for Empress 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 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 – When you receive your coping steam clean to make sure it is free of oil and being layering.

PORCELAIN TRIAL SIZES – We carry several trial-sized porcelains for you to complete your case with. Contact customer service at 888.GET.DALE (888.438.3253) for more information

FINISHING NOTES – You will need the following to complete your case:

- Empress Universal Stain and Glaze Kit
- Layering porcelains for the shade of your finished restoration
- Option: Low fusing add-on material for contacts, etc.

Contouring – Your pressed pattern is returned fully seated. A small remainder of the sprue will need to be removed during contouring. Mamelons and other internal attributes can also be added into the pressed pattern at this time. Only fine diamonds and other fine-to moderate finishing abrasives should be used under irrigation to prevent overheating and possible fracture during all contouring. Air abrade with 100µm alumina at a maximum of

1 bar (15 psi). Clean the pattern with steam or an ultrasonic bath.

Firing Precautions – Only honey-combed firing trays and metal firing pins should be used. Do not use silicon-nitride support pins. Flat-ended metal pins or sharp points on pins should be rounded, or platinum foil should be used to create a smooth tapered point at the pin's tip.

Discard or air abrade pins that may have developed an oxidized layer.

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

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 manufacturers' 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.

