

ENAMEL PLUS TEMP

FLUORESCENT AESTHETIC TEMPORARY RESIN

WAX-UP

1



Wax-up FLEX-E-Z Ivory



- Biocompatible*
- Non-Toxic
- Fluorescent

* Cytotoxicity test with direct cell contact ASTM F 813-83 and with Agar diffusion at ASTM F 895-84 with extraction of tests. Irritation test and allergic sensitization by Buehler, OECD 406-92 and DIR CEE 93/21

DENTINE POURING

2

7 universal dentine*
UD0, UD1 (A1), UD2 (A2),
UD3 (A3), UD3,5 (A3,5),
UD4 (A4), UD5

*following colours also available on request:
B1, B2, B3, B4, C2, D3

2 modifiers MY, MO



2 opaque dentine
DOL (light), DOD (dark)
to be mixed with the dentine
to increase opacity

STENT TECHNIQUE

Cold curing liquid ref.TEMPL
Hot curing liquid ref.TEMPLH



FLASK TECHNIQUE

Hot curing liquid under
pressure for flask Ref.TEMPLPRESS

ENAMEL CUTS

3



OPALESCEANCE & CHARACTERIZATION

4



2 modifiers
Yellow, Orange

3 opalescent enamel Clear, Grey, Blue

1 intensive enamel White

Light curing liquid TEMPLC



ENAMEL POURING

5



3 universal enamel

UE1 (old tooth)

UE2 (adult tooth)

UE3 (young tooth)

Cold, hot & under pressure liquid

POLISHING

6



TEMPPOL Liquid or TEMP99 Stick
COSSHINYSHP Brush

Available colors and liquids

Dentine: UD0 - UD1 (A1), UD2 (A2), UD3 (A3), UD3,5 (A3,5), UD4 (A4), UD5

Opaque dentine: DOL (light) - DOD (dark)

Modifiers: MO (orange) - MY (yellow)

Universal enamel: UE1, UE2, UE3

Opalescent enamel: Blue, Grey, Clear, White

Pink resin for partial dentures & papilla

Self curing liquid 100 ml

Hot curing liquid 100 ml, for stent technique

Hot curing liquid 100 ml, for flask technique

Light curing 10 ml

INSTRUCTIONS

The laboratory case shows the technique to be used for an aesthetic temporary bridge. Pour a model in hard type IV plaster. Wax up with neutral white wax (Flex-e-z) for aesthetic and morphologic analysis. Prepare dual-silicone stent with TEMP-SILIC PUTTY, lingual/buccal, for the duplicate model, prior to pouring the resin. After coating the model, pour and finish the dentine body resin. It is possible to increase the opacity with dentine opaque light & dark, or to characterize with modifier yellow & orange. To obtain a correct chromatic effect, proceed with a stratification of the surface crowns with an enamel body. For this reason the dentine is prepared as illustrated, following the tooth anatomy, checking the results with the stent. Light-cure stains can also be used (Ena Tender Stain: Khaki, Orange and Brown for chromatic variations, White, Brown 2 and Blue for intensives and characterizations), and the Enamel plus Temp Clear, Grey, Blue, White bodies with light curing liquid "TEMPLC". Then full coverage with the universal enamel (3 universal enamels with different value are available: UE1 - low value for old tooth; UE2 - medium value for adult tooth; UE3 - high value for young tooth), using the same pouring technique as with the stent. After polymerization, finish and polish, using TEMP STICK polishing paste or TEMPPOL polishing liquid with Enamel plus Shiny felt or goat hair brush. The special opacity of the dentine and the translucency of the enamel accentuate the natural contrast between the two. Also, the enamel body facilitates a natural glaze in the final temporary crown, cosmetically close to the permanent ceramic reconstruction.

Enamel plus Temp can be used both in laboratory and in dental practice: Indirect method in laboratory: diagnostic waxing up or vacuum forming matrix. Direct method in the mouth: silicone impression or preformed crown.

Mixing ratio: 2:1 (powder:liq). Mixing time: approx. 2 min.

Powder:

- 1 pink resin for partial dentures & papilla;
- 7 dentine: UDO, UD1 (A1), UD2 (A2), UD3 (A3), UD 3,5 (A3,5), UD4 (A4), UD5;
- 4 modifier & opaque dentine : MY, MO, DOL, DOD
- 4 opalescent & intensive enamels: Clear, Grey, Blue, White;
- 3 external universal enamels: UE1, UE2, UE3.

Liquid

COLD CURING: Application: approx 6 min. on the model (in mouth 3,5 min. Over time could damage pulp). Elastic phase: approx. 1,5 min. Setting: approx. 2 min. Note: Enamel plus Temp can be left to set in the mouth or on the bench (rest of monomer below 0,8%). We suggest 3 min. at 2-3 bars in warm water.

HOT CURING: Working time: 4 min.

Application: approx 9 min. on the model.

Curing time: 20 min. at 95°C with 2-3 bars.

FLASK: Working time: 20 min.

Curing time: 30 min. at 100° C under pressure in flask

LIGHT CURING: Working time: 3-5 min.

Curing time: in very thin layer 3 min. in halogen light curing unit (or 4 times 40 sec.)

Opaque:

Universal powder (A2) to be used on metal structure with light curing liquid. Curing time: in very thin layer 5 min.

Technical features

- high precision of fit
- easy to repair
- creamy consistency, no bubbles, with a rubbery-elastic consistency
- cadmium-free, no tertiary amines, and no discolouration

Physical Properties

	Hot	Cold
- Vickers hardness	150 MPa	140 MPa
- Flexural strength	60 MPa	75 MPa
- Modulus of elasticity	2300 MPa	2300 MPa
- Water absorption	21,2 µg./mm ³	21,2 µg./mm ³
- Residual monomer after setting	< 0,8%	0,8%

Precaution

Liquids contain Methylmethacrylate, irritant and easy flammable. Do not inhale. It irritates eyes and skin. Keep away from children. Store below 30°C/86°F (except light curing liquid 25°C/77°F). Do not used after expiration date.

Storage

The material should be stored at 10 - 25 °C. Seal the container securely after use. Keep away from ignition sources and do not smoke.

Disposal

The powder can be disposed of in domestic refuse. The liquid must be disposed of in hazardous waste.

Guarantees

Our processing instructions, regardless of whether they are issued verbally, in writing or in the form of a practical demonstration, are based upon our own experience and can therefore be regarded solely as guidelines.

Side-effects

With proper use of this medical device, unwanted side-effects are extremely rare. Reactions of the immune system (e.g. allergies) or local discomfort, however, cannot be ruled out completely. Should you learn about unwanted side-effects – even if it is doubtful that the side-effect has been caused by our product – please kindly contact us.

Contra-indications/interactions

If a patient has known allergies against or hyper-sensitivities towards a component of this product, we recommend not to use it or to do so only under strict medical supervision. In such cases, we will supply the composition of our medical device upon request. The dentist should consider known interactions and cross-reactions of the product with other materials already in the patient's mouth before using the product.

Note

Please pass all the above information to the dentist carrying out the treatment if you are using this medical device for a custom-made product. Please observe all existing safety data sheets during processing.

Troubleshooting

Problem	Cause	Solution
Plastic is not curing properly	Wrong mixing ratio	– Follow the directions for use – Use the correct mixing ratio
Plastic is curing too quickly / too slowly	Unfavourable ambient temperature High temperatures accelerate polymerisation, while low temperatures slow it down	Adjust the procedure
Colour is not right	Light and dark powders can be mixed individually	Select another powder mixing ratio.
Temporary appliance is adhering to the prepared tooth	It has been left too long in the mouth	Follow the directions for use



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