

LuxaBite



LuxaBite Rigid Bite Registration

Communicating a patient's bite relationship to the dental laboratory for the mounting of casts is one of the most, if not the most, critical step in the fabrication of indirect restorations. Mounting of models for the purposes of diagnosis, fabrication of removable appliances, fabrication of restorations, and/or fabrication of prostheses all require the most accurate transfer of the patient's bite relationship possible.

Rigid bite registrations provide the unique combination of the following advantages:

- no compression on mounting
- highly accurate to the models
- can be used with or without bite registration trays
- ability to mount several sets of models to the same bite.

Ideally a bite registration material would have

- little or no resistance to closure of the teeth
- a fast setting and easy to trim.

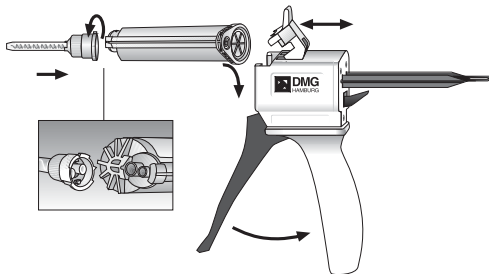
LuxaBite fulfills these requirements.

Problems have existed with the ability to trim acrylic, compound, or plaster registrations. LuxaBite overcomes this with its bis-acryl chemistry that is commonly used in temporaries. LuxaBite overcomes many of the problems of polyvinyl bites by being rigid and not allowing for a spongy mount. Its rigid nature and resistance to normal temperature variations also overcome the distortion problems of wax bites and make it the ideal bite material for today's required shipping and handling.

INDICATION

Bite registration for all types of bite relationship and for checking the accuracy of plaster models. It can be used for single tooth, quadrant or full mouth dentistry.

HANDLING



LuxaBite is automatically dispensed and mixed when extruding the two components out of the mixing tip of the double cartridges.

When using a new cartridge remove the cap and reject it. Place the mixing tip onto the cartridge and extrude the material directly onto the teeth. Leave the mixing tip in place until LuxaBite is used again and change the tip just before a new application.

BITE REGISTRATION

Block out any potential undercuts such as bridge pontics or open gingival embrasures with polyvinyl or wax material.

Lubricate any bis-acryl or resin based restorations with a thin layer of Vaseline or a similar separating medium.

I - Taking Fully Closed Bite

1. Apply adequate amount to 3-4 teeth per side and close to full intercuspation.
2. Add additional material under the buccal cusps of upper teeth to ensure complete registration of occlusal surfaces.
3. Allow material to set for 40-60 seconds and have patient slightly separate teeth and then reclose to ensure that the bite registration is no locked on.
4. Wait additional 2 minutes to final set and remove using gloved fingers.

II - Taking an Open Bite Centric Record

1. Establish a passive solid anterior centric stop (de-programming jig, NTI, Composite Ball Bite) to establish your desired condylar position with the posterior teeth either slightly out of contact or at the desired vertical dimension.
2. Apply adequate amount of LuxaBite to 3-4 teeth per side and close to desired bite.
3. Add additional material under the buccal cusps of upper teeth to ensure complete registration of occlusal surfaces.
4. Allow material to set for 40-60 seconds and have patient slightly separate teeth and then reclose to ensure that the bite registration is no locked on.
5. Wait additional 2 minutes to final set and remove using gloved fingers or gently with a hemostat.
6. Replace the posterior bite registrations in the mouth and remove anterior stop.
7. As a second step, record the anterior segment with LuxaBite to give the laboratory a three piece (tripod) bite registration.

III - Single Tooth or Quadrant Restorative Dentistry

1. Apply adequate amount to prepared teeth only and close to desired bite. Many laboratories prefer a registration over the preparations and no registration over the areas to be facet mounted.
2. Add additional material under the buccal cusps of upper teeth to ensure complete registration of occlusal surfaces.
3. Allow material to set for 40-60 seconds and have patient slightly separate teeth and then reclose to ensure that the bite registration is no locked on.
4. Wait additional 2 minutes to final set and remove using gloved fingers.

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FINISHING

After adequate LuxaBite registration is achieved, use a high speed finishing diamond bur to trim bites to a "cusp tip only" registration. Remove all deep grooves and occlusal embrasures that may not be well registered in the model work.

Mount models with LuxaBite records. Accurate models are required for complete seating of LuxaBite record on the model.

TROUBLESHOOTING POTENTIAL PROBLEMS

Cannot remove material or material breaks upon removal

- Block out undercuts prior to registration.
- Lubricate bis-acryl temporaries with Vaseline or similar separating medium.

LuxaBite does not fit model

- Trim LuxaBite to cusp tip only registration.
- Evaluate accuracy of models and remove any "positives" from the model.
- Allow full set time of LuxaBite prior to removal from the mouth.
- Keep LuxaBite limited to four teeth per segment (do not register full arch at one time with one continuous LuxaBite).

DISINFECTION

Impressions can be disinfected with standard disinfection solutions. We recommend alcohol-based products, as this will also remove the oxygen inhibition layer.

PRECAUTIONS

- Do not use for full arch bite registration.
- Spray and dry teeth before registration to avoid interferences in setting by influence of retraction solutions.
- Avoid contact of the material with skin and eyes. If accidental contact occurs, rinse immediately with plenty of water and consult a physician if necessary.

CONTRA-INDICATIONS

Known hypersensitivity to bis-acryl products. LuxaBite should not be used to register directly against the tissue of edentulous areas.

STORAGE OF THE BITE REGISTRATION

There is no need of special storage conditions. The stability in storage of the registration has no time limitations.

STORAGE OF CARTRIDGE

Do not store above 25 °C/77 °F.
Do not use after expiration date.

COMPOSITION

Glass filler in a matrix of multifunctional methacrylates. Free of methyl methacrylate and peroxides.

TECHNICAL DATA

Total working time:	45 seconds after start of mix
Rubbery phase:	2.00 to 2:30 minutes after start of mix
End of setting:	4:00 minutes after removal from the mouth
Barcol hardness:	20 after 1 h

PACKAGING

Introductory Package

1 cartridge @ 50 ml paste,
15 Automix-Tips, 1 Automix-Dispenser REF 110559

Refill Package

1 cartridge @ 50 ml paste,
15 Automix-Tips REF 110560

Economy Package

5 cartridges @ 50 ml paste,
75 Automix-Tips REF 110558

Caution: Federal Law restricts this device to sale by, or on order of a dentist, or other practitioner licensed by law of the state in which he or she practices to use or order the use of this device.

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