

BIOCLEAR

PUSH-PULL



INSTRUCTIONS

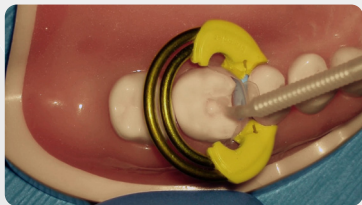
PUSH-PULL/SPOT-WELD TECHNIQUE

This technique is especially helpful for cases where there is not enough tooth structure for the wedge and ring to hold the matrix against the adjoining tooth, but can also be used for any Class II restoration to ensure tight contacts.

Note: Burnishing does not work with mylar matrices, so instead use the Push-Pull/Spot-Weld Technique to create tight contacts.

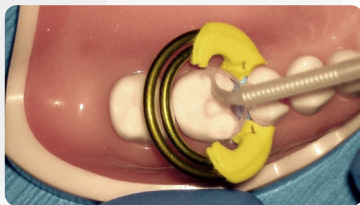
INITIAL PREP:

After cavity preparation, etch, rinse, and dry (as usual)



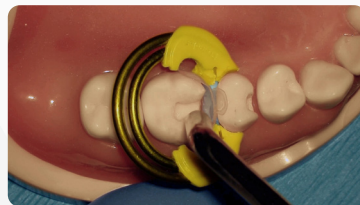
1. MASSAGE ADHESIVE INTO TUBULES

Massage adhesive into dentin tubules for a full 20 seconds.



2. DAB ADHESIVE INTO CORNERS

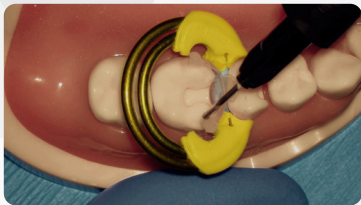
Dab adhesive up by the occlusal corners of the matrix.



3. AIR-THIN

Air-thin until adhesive stops moving.

Before light curing the adhesive, first use the Spot Weld Technique with the Push/Pull Instrument.



4. CREATE “SPOT-WELDS”

Dispense flowable composite at the occlusal corners of the matrix to create “spot-welds” on the buccal and lingual. Use enough flowable to make sure it covers the outside and inside of the matrix, and that there is enough to account for when the matrix is push/pulled over to the adjacent tooth.

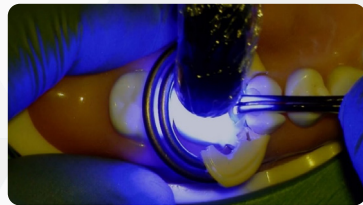
Tip: Both the buccal and lingual need to have one “spot-weld” each to hold the matrix in place.

Tip: Place flowable over the edge of the matrix, connecting the flowable both under the matrix against the tooth, and on the outside of the matrix to make sure the flowable can hold the matrix in place when cured.



5. PUSH-PULL MATRIX

Insert the Push-Pull instrument into the prep and pull the matrix against the neighboring tooth. If the prep is on the mesial, then pull, if the prep is on the distal, then push.



6. CURE “SPOT-WELDS” & ADHESIVE

While holding the matrix in place with the Push-Pull Instrument (using 2-3 lbs of pressure), light cure the spot welds of flowable from the occlusal for 5 seconds each. **Remove Push-Pull, then cure adhesive in the prep for 10 seconds.**

Proceed as usual for the remainder of the restoration.

Note: Cure over each spot-weld separately.

Tip: 5 seconds to cure the spot-welds is enough because you will final cure the whole restoration again later. Assistant should cure while the doctor can both stabilize and push or pull the instrument.

Now cured flowable spot-welds will hold matrix in place. **Do Not** bury Push-Pull in composite (unlike contact formers).

CLEANING & STERILIZATION INSTRUCTIONS

PUSH-PULL INSTRUMENTS ARE REUSABLE AND AUTOCLAVABLE

CLEANING

- Rinse instruments thoroughly after use to avoid debris drying and hardening.
- For any remaining debris, use a soft brush and a mild cleaner (such as dish soap) to remove debris from instruments.

STERILIZATION

- After cleaning, sterilize instruments using a steam autoclave only*.
- Sterilizer should be set at 270°F/132°C and 30.46psi/210kPa for 6 minutes with a drying time of 20-30 minutes.
- Temperature should not exceed 278.6°F/137°C.

STORAGE

- Instruments should be stored in a clean, dry location, out of direct sunlight.

OTHER NOTES

- ***Chemical sterilization should not be used. The warranty will be void if chemical sterilization is used.**
- Instruments are not shipped sterile and should be steam autoclaved prior to initial use.
- Instruments should be inspected prior to each use. If rust, delamination, or other discoloration, or damage occurs, use of that instrument should be discontinued.
- Do not wipe or soak instruments with harsh chemicals such as acetone or high concentrations of alcohol – this may damage the instruments and will void the warranty if used.

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