



RELIANCE®

ORTHODONTIC
PRODUCTS

Emergency Repairs Without Compressed Air

With the growing concerns of aerosol production in the bonding process, Reliance has put countless hours into developing a protocol that would achieve two goals:

1. Reduced aerosol production
2. Acceptable bond strength

The following protocol is intended to balance both goals while offering options at every step.

- “A” Steps are infection control-driven, producing the least amount of aerosols.
- “B” Steps are an alternative dependent on your comfort level with potential for increased aerosol production.



Initial Bonding / Rebond With No Adhesive on Enamel

1. Typical protocol calls for a thorough prophylaxis with a rubber cup and pumice. This is the first step eliminated to reduce aerosol production, yet a clean surface is imperative to a successful bond. While not ideal, vigorous brushing of the teeth will act as the mechanical cleaning of the teeth.
 - A. Instruct the patient to vigorously brush their teeth at home right before departing for your office.
 - B. Instruct the patient to brush their teeth vigorously for 2 minutes with a unidose First and Final pumice. Patient should thoroughly rinse their teeth at least 3 times.
2. Dry tooth thoroughly with a cotton roll or 2x2.
3. Acid etch with liquid phosphoric acid for 30 seconds.
4. Suction acid from teeth.
5. A. With a disposable-tip squeeze bottle filled with water, rinse for 10 seconds per tooth.
 - B. Using suction, hold suction tip over each tooth for 10 seconds.
6. A. Blot teeth dry thoroughly with cotton roll or 2x2.

NOTE: Be light handed and gently press the cotton roll to the tooth surface. Wiping or scrubbing will significantly increase enamel rod fracture.

 - B. Using suction, hold suction tip over each tooth for 10 seconds.
7. Apply 1 coat of Assure Plus Unidose with a bristle brush, stroke over 5 times.
8. A. With a NEW DRY brush, stroke over each tooth surface 5 times to evaporate solvent. This dry brush may be used for 4 teeth until needing to be discarded. Light cure tooth for 10 seconds.
 - B. Using suction, hold suction tip over each tooth for 10 seconds.
9. Forcefully smear GoTo paste into bracket mesh, apply to tooth and light cure.

NOTE: Applying Assure to the bracket base is an optional step – as overall strength is slightly compromised due to less than ideal surface conditions.



Check out our new learning platform
Reliance U! www.RelianceU.tech



RELIANCE®
ORTHODONTIC
PRODUCTS

O (800) 323-4348
M (630) 773-4009

F (630) 250-7704

RelianceOrthodontics.com
RelianceU.tech

Proud Sponsor of
AAOF



Emergency Repairs Without Compressed Air



Rebond With Residual Composite on Enamel

- Remove as much composite as possible with a composite removing pliers without crazing enamel.
 - If you are comfortable using a slow speed handpiece, remove composite with a slow speed latch carbide bur.
- Manually roughen the composite on the enamel with a paper disk by placing pointer finger on lingual surface of tooth and disc on facial side of tooth. Pinch the disk with your thumb and agitate back and forth to mechanically prepare the tooth surface.
- If there is enamel present follow steps for acid etching covered in the previous protocol.
- Apply 1 coat of Assure Plus Unidose with a bristle brush, stroke over 5 times.
- With a NEW DRY brush, stroke over each tooth surface 5 times to evaporate solvent. This dry brush may be used for 4 teeth until needing to be discarded. Light cure tooth for 10 seconds.
 - Using suction, hold suction tip over each tooth for 10 seconds.
- Forcefully smear GoTo paste into bracket mesh, apply to tooth and light cure.

NOTE: Applying Assure to the bracket base is an optional step – as overall strength is slightly compromised due to less than ideal surface conditions.

PLEASE NOTE: These procedures were developed as a response to the concerns about forced air and water spray. **EVERY step in these protocols is intentional and vitally important to a successful bond.** Due to the slight (10-15%) decrease in strength and extreme technique sensitivity, these protocols should not be utilized after we are past the COVID-19 crisis.

Links For Mentioned Products

First & Final unidose pumice

[View Now](#)

Liquid Etch

[View Now](#)

Squeeze Bottle

[View Option 1](#)

Assure Plus unidose

[View Now](#)

Adhesive Removing Pliers

[View Now](#)

[View Option 2](#)

GoTo tips

[View Now](#)

Bristle Brushes

[View Now](#)

NOTE: If you are comfortable with forced air – the protocols above can be modified to use a low volume warm air dryer to dry the enamel and Assure layer. Note this is still moving air and subjected to increased airborne particles.



Visit our online learning platform: **Reliance University!**
RelianceU.tech



Like us on Facebook

RelianceOrthodontics.com