








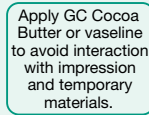



Courtesy of  
Dr. Jean Meyer, France

## Benefits of the IDS technique

- Resin infiltration is more effective on freshly cut dentin because it is uncontaminated and clean.
- IDS protects dentin against contamination with bacteria or remnants of temporary cements.
- It increases bond strength of the final indirect restoration to the tooth.
- It avoids post-operative sensitivity by sealing dentin tubules.
- It often eliminates the need for anesthesia during the cementation procedure (2<sup>nd</sup> appointment).

## 1<sup>st</sup> Appointment

		<b>MAX Air</b>		<b>Gentle Air</b>	
					
1. Clean the tooth surfaces, rinse thoroughly and dry.	2. Apply 1-PRIMER.	3. Dry.	4. Apply 2-BOND.	5. Air blow to make a uniform bonding layer.	
					
6. Light cure. See table 1 on the next page.	Optional: Apply glycerin gel and light cure it again to prevent oxygen inhibition layer.	7. Remove unpolymerized layer. Expose enamel covered with a fine-grit diamond bur.	8. Isolate	9. Impression and temporary restoration	
			Apply GC Cocoa Butter or vaseline to avoid interaction with impression and temporary materials.	Continue with impression taking and temporary restoration using your usual protocol.	

## Clinical Tips - 1<sup>st</sup> appointment

- Placing a rubber dam and isolating neighbouring teeth with Teflon tape are always recommended.
- Selective etching of enamel is recommended.
- 1-PRIMER should be kept out of light as it contains photoinitiators.
- Use maximum air pressure to dry 1-PRIMER to remove the solvent & residues of water.
- Applying 2 layers of 2-BOND can help to achieve a thicker layer.
- A flowable composite can be used to block undercuts and eliminate irregularities.
- Avoid the use of polyether impression material.

2<sup>nd</sup> Appointment

## In case of cementation with G-CEM LinkForce + G2-BOND Universal

1. Remove the temporary restoration & clean the preparation.

2. Sandblast with  $\text{Al}_2\text{O}_3$  30  $\mu\text{m}$  with low pressure.

3. Selective etch the enamel

4. Apply 1-PRIMER 10 sec.

5. Dry MAX Air 5 sec.

6. Light cure. See table 1.

7 & 8. Pre-treat the restoration.


9. Dispense G-CEM LinkForce into the restoration.

10. Seat the restoration.

11. Remove excess.

12. Light cure each surfaces/margins for 20 seconds (Halogen/LED 700mW/cm<sup>2</sup>)

13. Finish and polish.

  
Consult Instructions for Use

Clinical Tips - 2<sup>nd</sup> appointment

- Placing a rubber dam and isolating neighbouring teeth with Teflon tape are always recommended.
- Always protect patient's eyes, specially while sandblasting.
- Sandblasting should be done carefully (low pressure, short time) to avoid removing the bonding layer on dentin.
- In case of luting procedure, use of 1-PRIMER alone is sufficient and recommended.
- Remove any pooling of 1-PRIMER on corners or irregularities of the preparation before light curing it to assure a perfect sitting of the restoration.

TABLE 1. LIGHT-CURING TIME OF G2-BOND UNIVERSAL

Light curing unit	Distance from light guide tip	
	<10mm	>10mm
Halogen/LED (700-1200 mW/cm <sup>2</sup> )	10 sec.	20 sec.
High power LED (more than 1200 mW/cm <sup>2</sup> )	5 sec.	10 sec.