



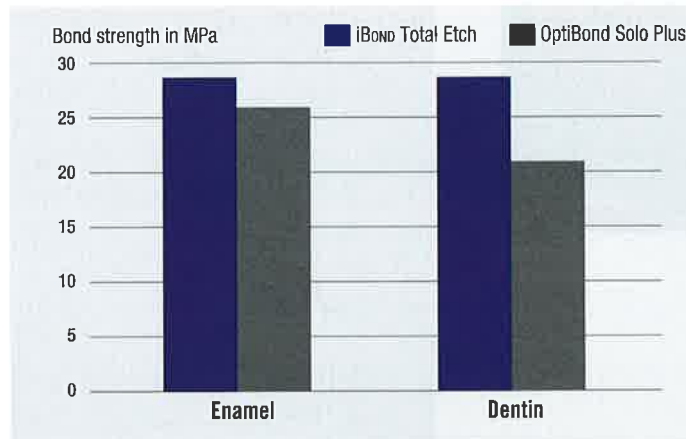
iBOND TOTAL ETCH RESEARCH RESULTS

METHODS AND MATERIALS

10 specimens of human enamel and 10 of human dentin were utilized to test the shear bond strength of iBOND Total Etch and OptiBond Solo Plus (OBSP). iBOND Total Etch was used on wet specimens (after etching) and OptiBond Solo Plus was applied on moist

specimens (after etching). These respective protocols were the most effective in our tests. Venus Diamond A2 was the standard restorative material, Optilux 501 (>800mW/cm²) was the curing light, and bond strengths were determined immediately after light curing.

RESULTS



DISCUSSION

iBOND Total Etch performed slightly better than OBSP, although this was achieved using the most difficult bonding protocol, namely wet.

CONCLUSION

iBOND Total Etch is an excellent one-component bonding agent when used on wet teeth. And compared to GCB+D, iBOND Total Etch performed better in this specific testing protocol.

REALITY

Total-etch bonding agents seem to be making a viral comeback due to their long track record and consistent performance, especially on enamel. With this in mind along with its laudatory *in vitro* testing, it appears that iBOND Total Etch is in the right place at the right time.

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REALITY ONLINE



iBOND Total Etch

Heraeus

www.heraeusdentalusa.com

PRICES:

Value Pack

Bottle

\$351.66/12ml (\$29.31/ml)

Single Dose

\$344.09/15ml/100 (\$22.94/ml

or \$3.44/single dose)

Refills

Bottle

\$147.04/4ml (\$36.76/ml)

Single Dose

\$191.15/7.5ml/50 (\$25.49/ml

or \$3.82/single dose)

SHELF LIFE

2 years

The product that created the one-component, self-etch bonding agent craze now has a sibling on the other side of the aisle, namely total-etch. Heraeus has decided to expand on the brand equity to create its second one-component, total-etch product to ride along side-by-side with another product with a famous first name, Gluma Comfort Bond + Desensitizer (GCB+D). If you are asking why a company with a pretty darn good product already in its portfolio (GCB+D) is bringing out another one to do virtually the same thing, stop your wondering. The Gluma fans will still buy GCB+D, while the iBOND groupies will go for its total-etch rendition.

In any event, the composition includes UDMA, 4-META, HEMA, glutaraldehyde, polymeric monomers and nano-sized amorphous

silica (2-3% filled by weight) in ethanol. It is interesting that it still contains glutaraldehyde (same as GCB+D), although its self-etch namesake has eliminated it. The pH is 2.9.

After rinsing off the phosphoric acid etchant, leave the preparation glistening wet, although this important fact was not even mentioned in the directions. Apply to the tooth using gentle agitation for 15 seconds. Although the directions tell you to "let it set", this really means you are not supposed to have to agitate it. However, on vertical cavity walls, some agitation may be necessary to get proper coverage. Evaporate the solvent with gentle air until there is no movement. Light-cure for 20 seconds.

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