

# TPO® Polymer Mesh Base Bonding Process and Considerations

TPO's ceramic brackets and hybrid metal brackets are designed with an exclusive polymer mesh base for patient safety and ease of debonding. Please review these guidelines and considerations carefully before bonding.

## Recommended Bonding Process

- 1 Prophy.
- 2 Rinse and dry.
- 3 Etch with 37% phosphoric acid for 20-30 seconds.
- 4 Rinse and dry.
- 5 Primer / sealant application — air can be used to “thin” it. Refer to list of approved products below.
- 6 Apply light cure adhesive to the bracket.
- 7 Place bracket in desired position.
- 8 Remove excess adhesive.
- 9 Light cure per manufacturer’s instructions.

## Primers / Sealants Compatible with TPO® Polymer Mesh Base

NOTE: Bonding kits listed contain primers.

### Approved for Use

TPO	Sealant Resin (recommended)
3M	Transbond XT Transbond Plus Color Change Transbond Plus Self Etching Primer
Reliance	Rely-a-Bond
Opal	Opal Seal
Dentsply	Prime & Bond NT Xeno IV

### Special Considerations

- Avoid any product that promotes / enhances bond.
- Review this list of products known to contain enhancers.
- Primers with “fillers” need to be avoided as they promote stronger bond.
- When in doubt, contact the adhesive manufacturer.



### Not Approved for Use

3M	Transbond MIP Clinpro Sealant Adper Prompt L-pop
Reliance	Enhance LC Light Bond Sealant Maximum Cure Sealant System LED Proseal Assure Proseal Assure Bonding Resin
Ormco	Ortho Solo Blu-Gloo Kit (with Ortho Solo primer)
Kerr	Optibond XTR Optibond Solo Plus Optibond All in One Optibond FL
American	Eagle FluorSure
Opal	Opal Primo Bond Enhancer
Dentsply	NeoBond Adhesive and Primer
Kuraray	Clearfil S <sup>3</sup> Bond Plus

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