

SilJet

Dental Surface Silicating Powder for Cementation & Repair

SilJet System can be used to prepare most dental surfaces for restoration or cementation. It can be used intraorally for repair of ceramic, zirconia, alumina, lithium silicate, composite, and metal surfaces. It is also ideal for preparation of the bonding surfaces of prostheses for improved adhesion.

SILJET SYSTEM CONSISTS OF THE FOLLOWING COMPONENTS:

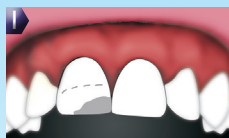
- SilJet Powder – a 30-micron silicating media comprised of encapsulated alumina that embeds silica into impacted inorganic surfaces.
- S-Bond – a prehydrolyzed silane that reacts with the embedded silica to create a reactive organic surface suitable for polymerization with acrylic resins.
- Accolade OP Mask – a light curable paintable resin-based restorative having excellent hiding power and neutral tones.
- E-Bond – a light curable resin-based bonding resin.
- **KIT CONTENTS:** 40gm SilJet powder, 10ml S-Bond, 10ml E-Bond, 40 Microbrushes, 2gm each Accolade OP Mask Tooth and White shades and twenty 25-gauge tips.



REORDER NUMBERS:

SilJet Kit	93577
3 (40gm) jars SilJet Powder	93596
1 (10ml) bottle S-Bond	89104
1 (10ml) bottle E-Bond	89107
20 (25-gauge) tips	90857
40 Microbrushes	90180
2 (2gm) syringes of Accolade OP Mask (tooth/white)	93597/93598

SilJet™ PORCELAIN REPAIR Procedure Guide



1 Place a generous bevel on the remaining porcelain.



2 SilJet the fractured porcelain, exposed metal and ceramic layers. 40-45 psi air pressure is optimal.



3 Entire surface to be repaired should exhibit a silica coating.



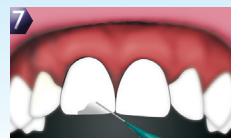
4 Generous air spray is applied to blow off alumina particles. Silica will remain attached to the surface.



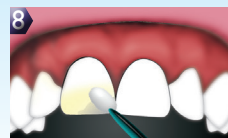
5 S-Bond silane primer is applied in a thin layer to all SilJet treated surfaces.



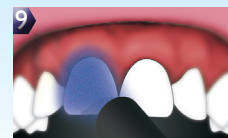
6 After 30 seconds dwell time, dry the silanated surface with a water free air stream.



7 Accolade OP Mask can now be applied directly from the syringe via needle in a very thin layer to block any grey or yellow metal that may be exposed. Light cure at a minimum of 600 mwatt for 30 seconds.



8 E-Bond is applied liberally over the entire repair surface. E-Bond is air thinned to assure an even layer.



9 The E-Bond layer is cured with a 600 mwatt minimum curing light for 10 seconds.



10 A paste type composite may now be applied to match the existing fractured porcelain. Finally, finish the restoration by polishing.