

SimpliShade™ Self-Adhesive Flow

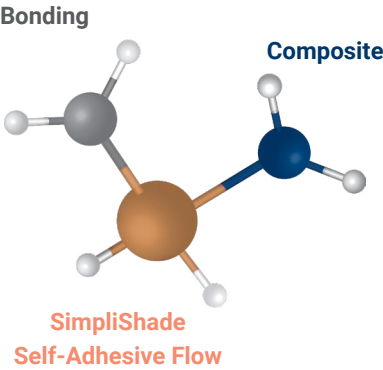
REDUCE STEPS. SAVE TIME.



Kerr™

“One of the most innovative products to appear on the market in quite some time. Its versatility allows for use in multiple indications, saving chair time for the clinician while creating a better experience for the patient.”

- Dr. Stephen D. Poss



Powered by OptiBond™ Technology

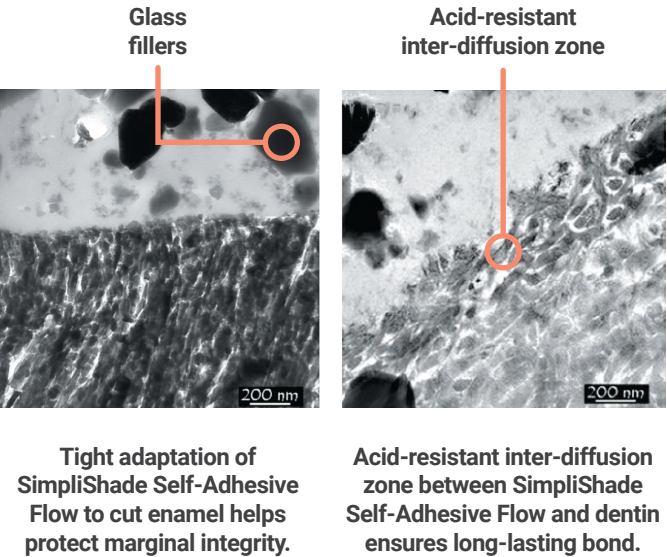
SimpliShade Self-Adhesive Flow greatly simplifies your direct restorative procedures by incorporating a bonding agent into a flowable composite, which is powered by Kerr’s renowned OptiBond adhesive technology. Our leadership in resin restorative dentistry comes after decades of advancements in composites and expertise in adhesives—both of which come together in SimpliShade Self-Adhesive Flow.

The Science Behind SimpliShade Self-Adhesive Flow

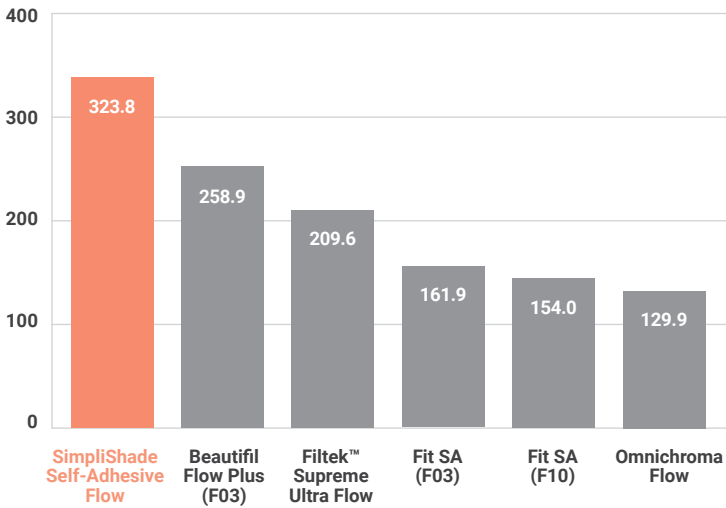
SimpliShade Self-Adhesive Flow composite incorporates adhesive technology found in our OptiBond products to create proven bonds to the tooth structure. SimpliShade Self-Adhesive Flow bonds in two ways: primarily through the **chemical bond** between the phosphate functional groups of a GPDM monomer and calcium ions of the tooth. And, secondarily, through a **micromechanical bond** as a result of an inter-penetrating network formed between the polymerized monomers of SimpliShade Self-Adhesive Flow and collagen fibers (as well as the smear layer) of dentin. The diagram below illustrates the bonding mechanism of SimpliShade Self-Adhesive Flow to the tooth.



The high radiopacity of SimpliShade Self-Adhesive Flow enables clear differentiation between restoration and tooth structure. Restoration with SimpliShade Self-Adhesive Flow as a liner, finished with Herculite™ Ultra.



Radiopacity of Various Flowable Composites



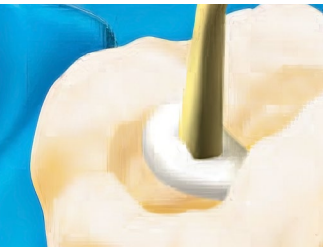
TEM (transmission electron microscopy) by Dr. Atsushi Mine & Professor Bart Van Meerbeek, Leuven BIOMAT Research Cluster, KULeuven, Belgium

Data on File.

Liner for Large Restorations (Class I, Class II)



1. Prepare cavity. Wash thoroughly with water spray and air dry at maximum air pressure for 5 seconds.



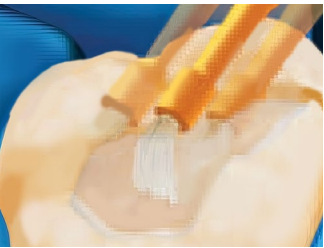
4. Build restoration with a universal composite such as SimpliShade™ Universal or Harmonize™.



2. Dispense SimpliShade Self-Adhesive Flow into prep with a dispensing tip.



5. Light cure each increment of universal composite according to manufacturer recommendations.



3. Brush a thin layer (<0.5 mm) of SimpliShade Self-Adhesive Flow onto entire cavity wall and beveled area with moderate pressure for 15-20 seconds. Remove excess material around margins with the provided brush, if necessary. Light cure for 20 seconds.*



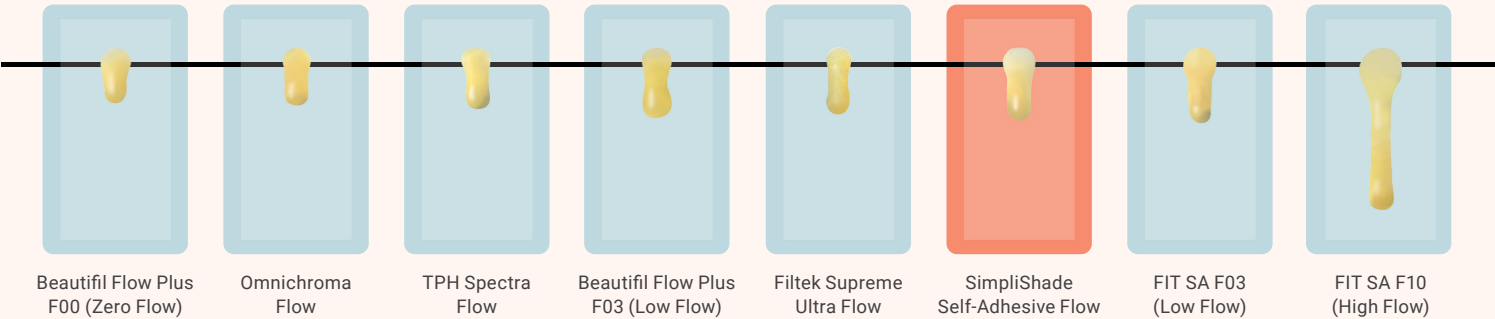
6. Finish and polish restoration (HiLusterPLUS polisher shown).

Indications include:

- Liner for Large Restorations (Class I, Class II)
- Pit & Fissure Sealants
- Small Cavities (Class I, Class II)
- Porcelain Repairs

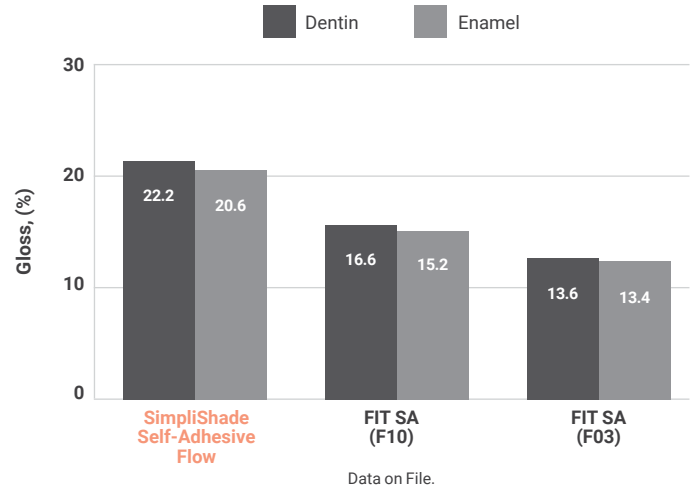
*For A3.5 and Universal Opaque shades, light cure each increment for 40 seconds. Refer to Directions for Use for complete instructions.

Viscosity of Various Flowable Composites



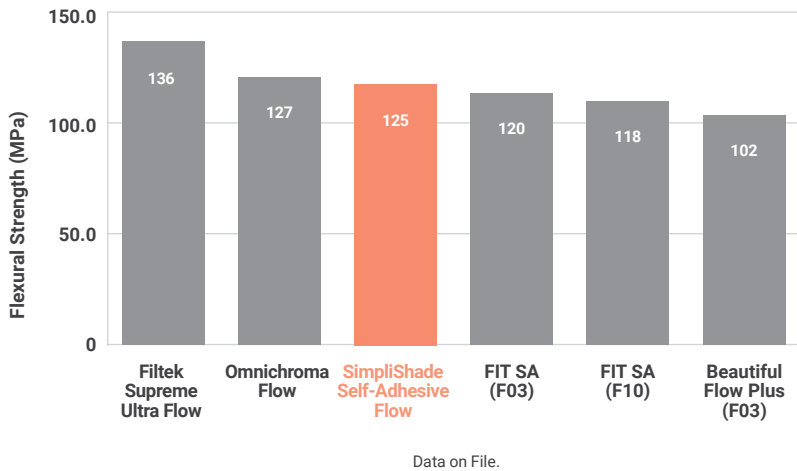
The flowable composites were allowed to flow on a vertical paper for 1 minute, then light-cured. The viscosity of SimpliShade Self-Adhesive Flow is ideal for both small cavities and lining large restorations.

Shear Bond Strength of SimpliShade Self-Adhesive Flow Compared to Self Etch Adhesive/Flowable Composite Systems



SimpliShade Self-Adhesive Flow has higher shear bond strength to both dentin and enamel than FIT SA F03 and FIT SA F10.

Flexural Strength



SimpliShade Self-Adhesive Flow has higher flexural strength than Beautiful Flow Plus and comparable flexural strength to Filtek Supreme Ultra Flow, OmniChroma Flow, FIT SA F03, and FIT SA F10.

Ordering Information

| Part # | Item Description |
|--------|--|
| 37106 | Intro Kit: 1 Light Syringe, 2 Medium Syringes, 1 Dark Syringe, 40 Applicators, Technique Guide |
| 37107 | 2 Refill Syringes - Light |
| 37108 | 2 Refill Syringes - Medium |
| 37109 | 2 Refill Syringes - Dark |
| 37152 | 2 Refill Syringes - Universal Opaque |



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