



2 in 1

Benefit from Strength of Adhesives and Durability of Composites in One Product

## ProFil™ Flow SE

Light-Cure Self Adhesive Flowable Composite



ProFil™ Flow SE is a light cure self-etching, self-adhesive, radiopaque, flowable composite. Combining 3 in one ProFil Flow SE features the benefits of adhesive and restorative technology thus simplifying direct restorative procedures. With this flowable dental composite there is no need to bond separately, reducing steps and saving time.

ProFil Flow SE is faster, easier, safer and is the ideal restorative material for pediatric patients.

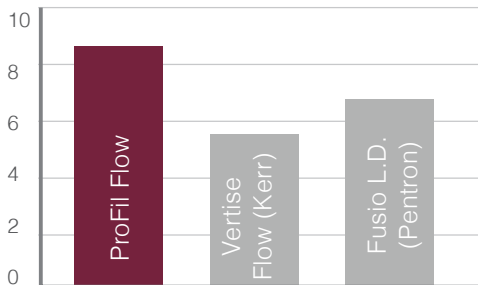
## Features

- Ready for use, no need to Etch rinse and dry
- Etching, bonding and filling in one step
- Radiopaque
- Esthetic
- Does not open dentin tubules
- Prevents postoperative sensitivities
- Improves procedure efficiency by reducing the time, steps, & materials needed

## Properties

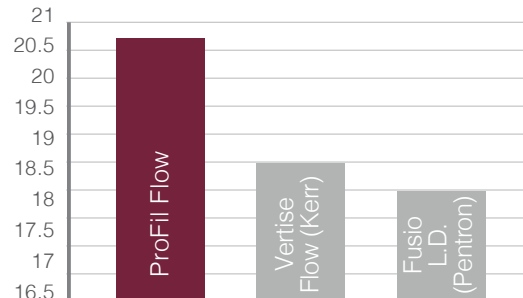
Inorganic filler particle size	0.02 - 2.3µm
Volume of inorganic fillers	≥ 40%
Working time (full operating light)	≥ 01:00 minutes
Recommended thickness of layers	≤ 2 mm
Recommended curing time (LED-/ Halogen lamp)	≥ 20 sec
Depth of cure (20s curing time)	≥ 2 mm
Flexural strength ( = transverse strength)	≥ 90 MPa
Radiopacity	≥ 160% Al
Adhesion to enamel	≥ 3 MPa
Compressive strength	≥ 260 MPa
Water solubility	≤ 3 µg/mm <sup>3</sup>
Flexural modulus (= transverse modulus)	≥ 4 GPa

Shear bond Strength, enamel not etched (MPa)



\*Values taken from manufacturers' IFU or data

Shear bond strength, enamel etched (MPa)



## FAQ

### Should I still etch with phosphoric acid when using ProFil Flow SE?

You do not need to etch when using ProFil Flow SE unless working with uncut enamel (as in a sealant application). ProFil Flow SE offers high bond strengths to both dentin and enamel without the need for a separate adhesive. For those who want to etch regardless, you should only etch on enamel, which further improves marginal integrity. Etching on dentin, however, opens dentin tubules that, unless sealed properly, can lead to post-op sensitivity. ProFil Flow SE does not open dentin tubules, minimizing the chance of post-op sensitivity.

### Should I use a bonding agent with ProFil Flow SE?

You do not need to apply a bonding agent when using ProFil Flow SE, since it is a self-adhering material that has a bonding agent already incorporated. ProFil Flow SE offers high bond strengths to both dentin and enamel without the need for a separate bonding application step.