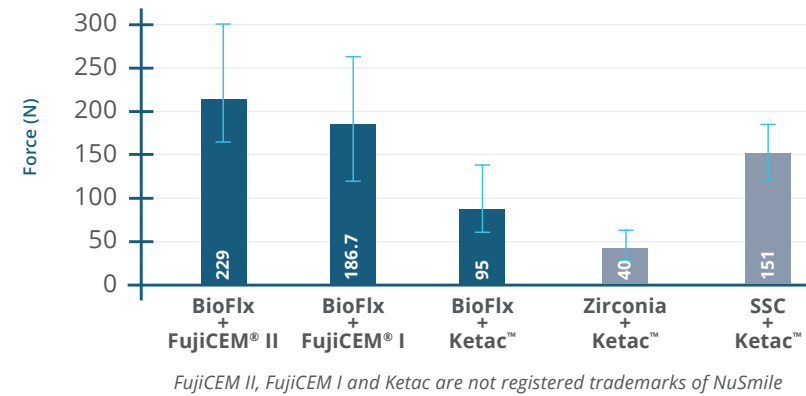


CEMENTATION

SANDBLASTED INTAGLIO SURFACE FOR ENHANCED RETENTION
WITH SELF-SETTING RMGI & GI CEMENTS

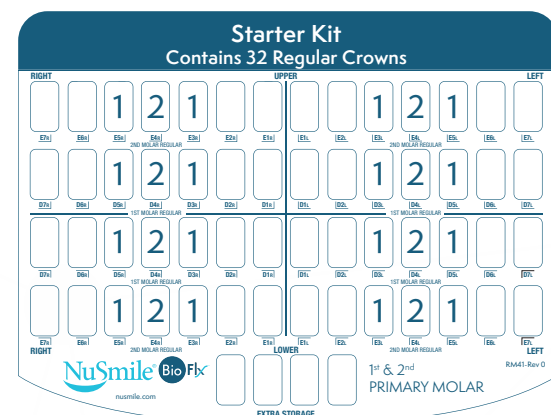
BioFlx Average Retention Strength Comparison



Source: NuSmile® data on file



BIOFLX KITS



Starter Kit (Coming Soon)
Contains 32 Narrow Crowns

	D2R1N	D3R1N	D4R1N	D5R1N	D6R1N
RIGHT	1	2	2	2	1
LEFT	1	2	2	2	1
RIGHT	1	2	2	2	1
LEFT	1	2	2	2	1

CDT CODE D2932 - PRE-FABRICATED RESIN CROWN

FAQs

What material is BioFlx made of?

BioFlx crown is made of high impact, biocompatible, hybrid resin polymer used in the medical field where high strength, flexibility and durability are required. They are Bis-GMA free and contain no metal.

Can I crimp, contour & trim the crown?

You can trim with crown and bridge scissors, when needed; and may be able to slightly contour with Howe Pliers; but you should not attempt to crimp BioFlx crowns.

How do you describe the fit of BioFlx crowns?

It is neither a “snap fit”, nor a “passive fit”. BioFlx crowns should fit snugly on the tooth, with slight resistance that can be described as a snug or active fit. It will snug over small convexities of the tooth.

Can BioFlx crowns be sterilized?

Cold sterilization, autoclave or steam sterilization may be used according to the standard instructions of the manufacturer of the sterilant or sterilizer. BioFlx crowns, as other pediatric crowns, are provided in non-sterile packaging. Clinician may choose to sterilize before use.

Can I adjust the occlusion of the BioFlx crowns?

It is not recommended to use any kind of rotary instrument to adjust the occlusion of a BioFlx crown. The occlusal surface of the preparation should be reduced 1.5-2.0mm. The BioFlx crown should NEVER be the first point of contact in occlusion.

Are BioFlx crowns radiopaque?

The radiopacity of BioFlx crowns is similar to the radiopacity of enamel and should allow radiographic evaluation of adaptation of the crown margins and pulpal therapy.

Will blood or salivary contamination affect the cementation of BioFlx crowns?

If BioFlx crowns are contaminated with blood or saliva during try-in, they can be rinsed with water, dried and then cemented without any significant effect on cementation.

Can I use BioFlx crowns in areas of space loss?

BioFlx crowns will be available in narrow sizes to be easier to place in areas of space loss. Due their flexible nature and elastic memory, BioFlx crowns cannot be significantly altered in their shape or width with pliers. To fit BioFlx in areas of space loss, it is likely that circumferential reduction of the tooth will be needed to fit a smaller crown than would have been used if there were no space loss.

Can I use a bite stick to seat a BioFlx crown?

Using a bite stick or the serrated metal end of a band pusher is not recommended. It is ok to use a lot of pressure, including the plastic end of a band seater to sit a BioFlx crown.

What are the contraindications of BioFlx crowns?

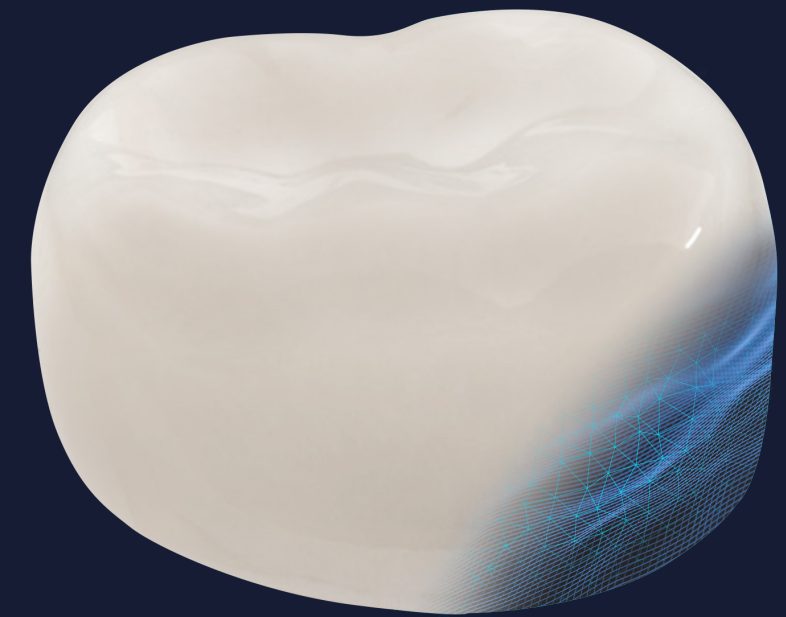
BioFlx is NOT recommended for the Hall or modified Hall Technique, and patients with bruxism or parafunctional habits.

What should I use to cement BioFlx crowns?

A regular glass ionomer cement should be sufficient for cementing BioFlx crowns. A self-setting resin modified glass ionomer cement can also be used. A light cured cement should NOT be used because the opacity of the crown will not let light pass through to set the cement.

How does the wear resistance of BioFlx crowns compare to stainless steel crowns?

Robust in house wear testing demonstrates that BioFlx crowns are at least as wear resistant as stainless steel crowns, after 800,000 cycles at 80 newtons on a Leinfelder wear machine. However, clinicians may see a “dimple” develop on the BioFlx crowns in areas of heavy occlusion. This “dimple” appears to be due to the self-adaptable technology of the material. Rather than wearing, the material “self adapts” to reduce the pressure of the opposing occlusal surface. For this reason, and for best results, it is recommended that BioFlx crowns not be placed in high occlusion on teeth with little or no occlusal preparation.



THE FIRST

**FLEXIBLE, DURABLE,
& ESTHETIC**

PEDIATRIC CROWN



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MKT-NSBFPS Rev 0

FLEX FIT

DISTINCTIVELY FLEXIBLE AND VERSATILE NATURE FOR EASY PLACEMENT AND A SNUG/ACTIVE FIT

Tooth preparation lies between Zirconia and a traditional SSC preparation

BioFlx crowns are pre-contoured and pre-crimped saving chair time

BioFlx is **NOT** recommended for the Hall or modified Hall Technique, and patients with bruxism or parafunctional habits

DURABLE

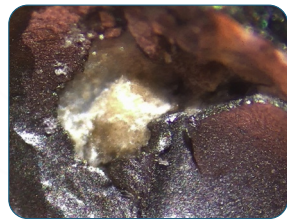
WEAR RESISTANCE OF BIOFLX IS SIMILAR TO OR BETTER THAN TRADITIONAL SSC'S!



BioFlx after **800k Cycles** of Wear Testing at 80 Newtons



SSC after **400k Cycles** of Wear Testing at 80 Newtons



Source: NuSmile® data on file



“I love the ease of placement and durability of stainless steel crowns, but after 40 years practicing pediatric dentistry, I'm super excited to have a tooth-colored crown for primary teeth that will be as easy to prepare and fit as a stainless steel crown.”

William Waggoner, DDS, M.S. | Chief Dental Officer, NuSmile

ESTHETIC

A NEW ERA IN PEDIATRIC CROWNS

Metal-free, monochromatic tooth colored crowns made of a completely biocompatible material which can mask discoloration of arrested carries



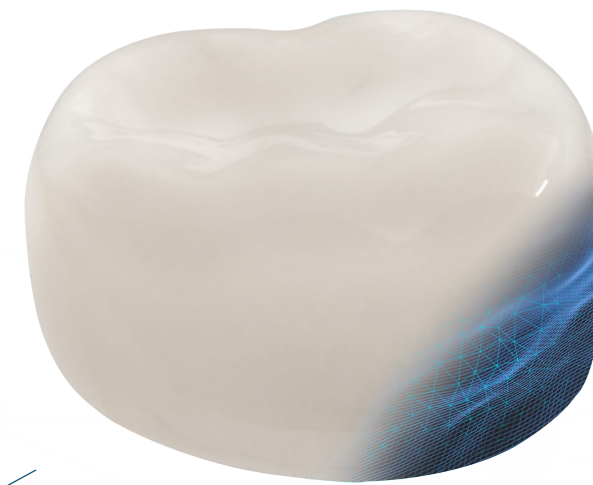
Superior esthetics with interior occlusal surface laser marking

BUT WAIT! THERE'S MORE...

Self-adaptive technology allows the crown to modify in areas of slightly high occlusion

Radiopacity of ~ 1mm permits evaluation of the crown margins and pulp capping materials

Laser marking on the inner occlusal surface for easy identification and optimal esthetics



Strong, yet flexible for easy placement and a snug/active fit

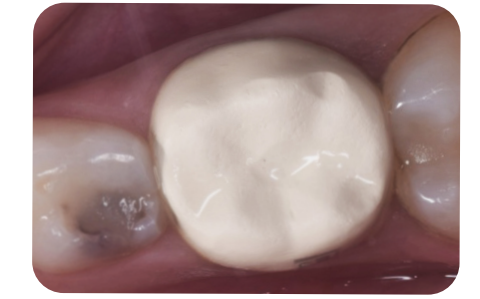
Sandblasted intaglio surface for enhanced retention with self-setting RMGI and GI cements

Can be seated using heavy pressure and trimmed if necessary with crown and bridge scissors

BIOFLX CASES



Case courtesy of **Dr. Matt Lucero**



Case courtesy of **Dr. Meenakshi Kher**



Case courtesy of **Dr. Matt Lucero**



Case courtesy of **Dr. LaRee Johnson**