



# NeoSEALER<sup>TM</sup> Flo



NEXT GENERATION  
BIOCERAMIC SEALER  
**FROM THE INVENTOR OF  
WHITE PROROOT<sup>®\*</sup> MTA<sup>1</sup>**

# ONE SEALER TO STREAMLINE YOUR PRACTICE

NOT ALL CASES CAN BE TREATED THE SAME WAY.

NeoSEALER Flo is optimized for both warm vertical and single cone obturation techniques for maximum efficiency and savings.

## FORMULATED WITH MORE BIOACTIVE CEMENT THAN ORIGINAL BIOCERAMIC SEALER<sup>2</sup>

NeoSEALER Flo is thoughtfully designed to promote setting and maximize bioactivity.

## MTA-BASED BIOACTIVITY

Hydroxyapatite forms to ensure bioactive sealing.

## DIMENSIONALLY STABLE

Unlike resin-based sealers, NeoSEALER Flo is dimensionally stable.

ADA 57 std. <1% shrinkage & <0.1% expansion

I love the way Avalon Biomed NeoSEALER Flo handles. It coats the canal walls consistently and clean up in the chamber after obturation is easy.

— Ryan Walsh, DDS, MS  
Endodontist

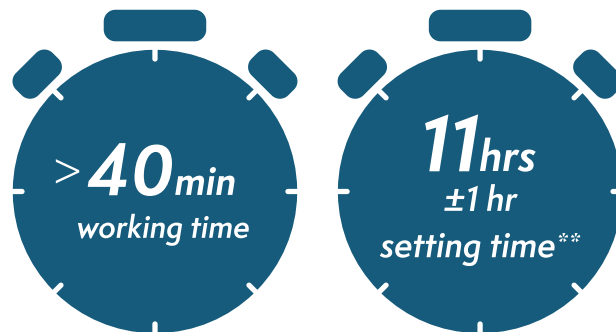
## RESIN-FREE

For maximum bioactivity.

## NON-STAINING

- ✓ Won't discolor teeth — **EVER.**
- ✓ NaOCl won't cause discoloration.

## EXTENDED WORKING TIME

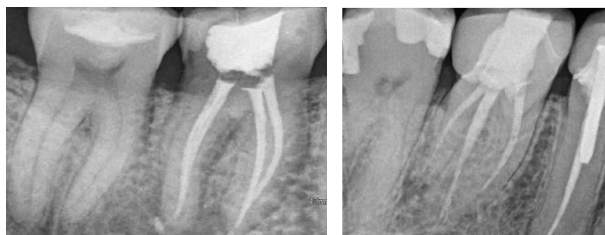


\*\* Sets in vivo in the presence of moisture

## HIGH FLOW

Fine particle size allows excellent flow to fill and seal lateral canals.

## HIGH RADIOOPACITY



Courtesy of Alejandro Podolsky, DDS  
Endodontist

Courtesy of Ron Hill, DDS, MSD  
Endodontist

\* PROROOT®, DENTSPLY® and DENTSPLY SIRONA® are registered trademarks of DENTSPLY SIRONA Inc.

1 Patented under US Patent No. 7,892,342 owned by DENTSPLY International Inc.

2 NeoSEALER Flo contains 6% more bioactive cement by weight compared to EndoSequence BC Sealer [in-house data obtained through XRD analysis]

3 J Dent. 2014 May;42(5):517-33. A review of the bioactivity of hydraulic calcium silicate cements. Niu LN, Jiao K, Wang TD, Zhang W, Camilleri J, Bergeron BE, Feng HL, Mao J, Chen JH, Pashley DH, Tay FR

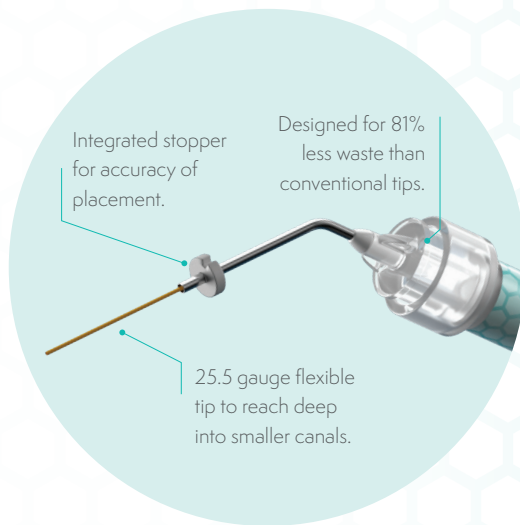
## HIGH pH

To promote osteogenic response.

## MORE VALUE BUILT-IN, AT LESS COST

Our unique Flex Flo Tip™ design combines a flexible cannula with an integrated stopper attached to a minimal waste barrel for highly accurate placement.

## Flex Flo Tip™ MORE PRECISION. 81% LESS WASTE.

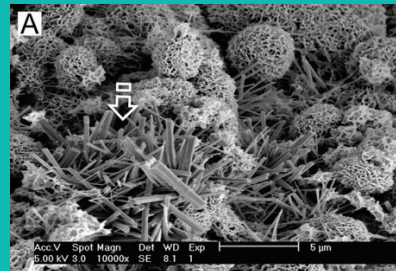


These Flex Flo Tips are amazing! The combination of the flexible cannula and the rubber stopper increases user control allowing accurate and gentle guided placement of the bioceramic sealer into the canal. The tips make endodontics much more predictable and accurate.

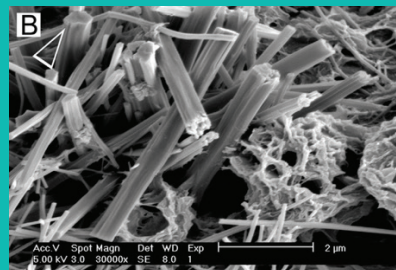
— Brian Minavi, DDS, MS  
Endodontist

## UNLIKE INERT RESIN AND ZOE MATERIALS, MTA PROVIDES STATE OF THE ART TECHNOLOGY TO PROMOTE BIOACTIVITY AND SUPPORT HEALING

- After placement of MTA in the tooth, body fluids infiltrate the paste to cause setting.
- During this process calcium and hydroxide ions are released from the MTA, promoting hydroxyapatite (HA) formation on the MTA surfaces.
- When HA coats the surface, it hides the underlying MTA to minimize foreign body reactions and support healing responses of the pulpal or periapical tissue.



Calcium phosphate precipitated crystals scattered on the hydrated tricalcium silicate cement surface<sup>3</sup>.



High magnification image of the calcium phosphate crystals<sup>3</sup>.

# NEXT GENERATION BIOCERAMIC SEALER

For years, clinicians have settled for using inert resin and ZOE sealers or paid too much for premixed bioceramic sealers.

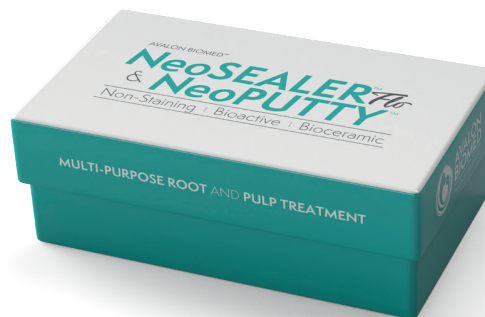
**Not anymore.**

At Avalon Biomed, we believe innovation should improve patients' lives and reduce health care costs. That's why we designed NeoSEALER Flo to be efficient, effective and the most economical premixed bioceramic sealer on the market today.

“From the beginning, our goal has been to save more teeth for more people. That takes constant improvement in technology, without resting on past success.”

– Carolyn Primus, PhD

Inventor of White ProRoot® MTA, Grey MTA Plus®, NeoMTA Plus®, NeoMTA® 2, NeoSEALER™ Flo, NeoPUTTY™



## COMPLETE YOUR ARMAMENTARIUM

with NeoPUTTY, the most radiopaque bioactive bioceramic putty in its class.

NeoPUTTY is a resin-free bioactive bioceramic cement with superior handling properties. Its firm, low-tack consistency, wash-out resistance and bioactivity make it the premier putty for 12 of your most important procedures.

### AVAILABLE IN:

Item Code	Item Description
ANSSK	NeoSEALER Flo - 2.2 gm Starter Kit (with 20 Flex Flo Tips)
ANSPK	NeoSEALER Flo - 4.4 gm Professional Kit (with 40 Flex Flo Tips)
ANSPCK	Combo Kit - NeoSEALER Flo 2.2 gm Starter Kit + NeoPUTTY 1.2 gm Professional Kit (with 20 Flex Flo Tips)
FFT20	Flex Flo Tips (20/pack)
FFT40	Flex Flo Tips (40/pack)

## PLACE YOUR ORDER

and see what's possible with the world's most versatile bioactive bioceramics at

[AVALONBIOMED.COM](http://AVALONBIOMED.COM)

Or email us to find out more at

[INFO@AVALONBIOMED.COM](mailto:INFO@AVALONBIOMED.COM)



**AVALON  
BIOMED™**

Advanced Bioceramics



# NeoPUTTY™



## NEXT GENERATION PREMIXED ROOT & PULP TREATMENT MATERIAL

- Higher radiopacity
- Immediate wash-out resistance
- Ideal consistency
- Non-staining

## A HIGHER STANDARD IN BIOACTIVE BIOCERAMIC PUTTY

NeoPUTTY is premixed and optimized for more efficient handling and placement. Its firm, low-tack consistency, wash-out resistance and bioactivity make it the premier putty for 12 of your most important procedures.

**NeoPUTTY provides excellent performance for dental procedures contacting vital pulp and periradicular tissue:**

- ✓ Direct and indirect pulp capping
- ✓ Partial pulpotomy
- ✓ Cavity liner and base
- ✓ Pulpotomy and apexogenesis
- ✓ Perforation repair
- ✓ Resorption
- ✓ Obturation
- ✓ Apexification
- ✓ Root-end filling

NeoPUTTY's ease of use offers predictable, consistent quality results in a dry or wet environment, whether filling a perforation, performing vital pulp therapy or during apical surgery.

– *Sayed Attar, DDS, MS*

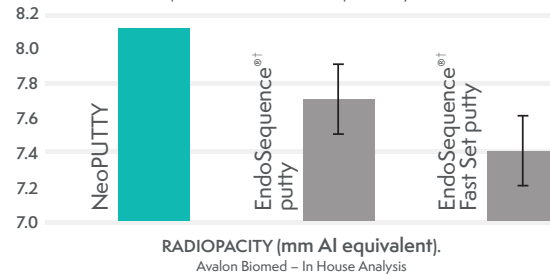
Endodontist

## NO DRY OUT

Does not dry out between uses, maintaining ideal consistency throughout its use.

## HIGHEST RADIOCAPACITY IN ITS CLASS

8.1 mm Al equivalent radiopacity.



## DIMENSIONALLY STABLE

With **no shrinkage** to ensure a gap-free seal, minimizing opportunity for bacterial infiltration.

**NeoPUTTY**

**0.08% expansion**

ADA 57 std.  $\leq 1\%$  shrinkage &  $\leq 0.1\%$  expansion

## IMMEDIATELY WASH-OUT RESISTANT

Stays where you want it so you can efficiently complete the procedure, ensuring bioactive benefit.

## EXTENDED WORKING TIME



\*\*Sets in vivo in the presence of moisture

† EndoSequence® BC RRM-Putty™ and BC RRM-Fast Set Putty™ are trademarks of Peter Brasseler Holdings LLC.

1 J Dent. 2014 May;42(5):517-33. A review of the bioactivity of hydraulic calcium silicate cements.

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## HIGH pH

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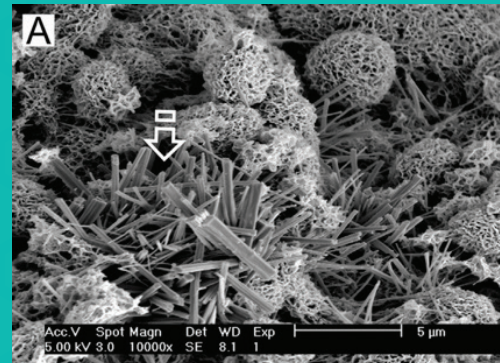
Hydroxyapatite forms to ensure bioactive sealing.

## FIRM, LOW-TACK CONSISTENCY

Uniform, firm, low-tack putty makes placement and condensation easier.

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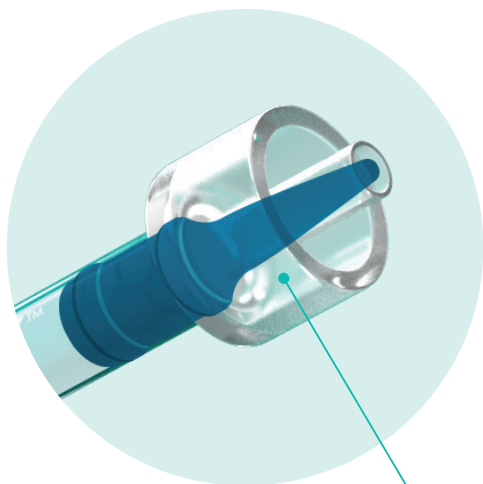


*High magnification image of the calcium phosphate crystals<sup>1</sup>.*

Clinicians shouldn't have to choose between giving their patients the best care or saving their practice money. Our mission is to deliver both.

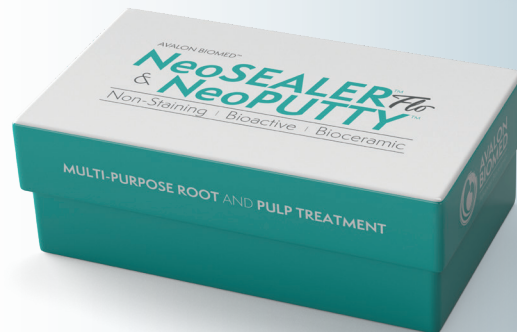
– Carolyn Primus, PhD

Inventor of White ProRoot®<sup>2</sup> MTA<sup>2</sup>, Grey MTA Plus®, NeoMTA Plus®, NeoMTA® 2, NeoSEALER™ Flo, NeoPUTTY™



Zero waste syringe with positive displacement plunger tip

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*with NeoSEALER Flo, the efficient, effective and most economical premixed bioactive bioceramic sealer in its class.*

NeoSEALER Flo and NeoPUTTY are available individually or as a Combo Kit to help you get started on the path to bioactive outcomes for 13 of your most important endodontic procedures.

### AVAILABLE IN:

Item Code	Item Description
<b>ANPSK</b>	NeoPUTTY - 0.65 gm Starter Kit
<b>ANPPK</b>	NeoPUTTY - 1.2 gm Professional Kit
<b>ANSPCK</b>	Combo Kit - NeoSEALER Flo 2.2 gm Starter Kit + NeoPUTTY 1.2 gm Professional Kit (with 20 Flex Flo Tips)

## PLACE YOUR ORDER

and see what's possible with the world's most versatile bioactive bioceramics at

[AVALONBIOMED.COM](http://AVALONBIOMED.COM)

Or email us to find out more at

[INFO@AVALONBIOMED.COM](mailto:INFO@AVALONBIOMED.COM)



**AVALON BIOMED**

Advanced Bioceramics