

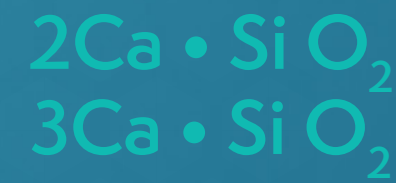
WHY BIOACTIVE BIO CERAMICS ARE THE FUTURE

NeoSEALER™ Flo is a dimensionally stable, resin-free root canal sealer that promotes the formation of hydroxyapatite to support healing responses of the periapical tissues.

A simplified view of hydroxyapatite formation is shown below in two stages:

1 HYDRATION

NeoSEALER™ Flo
(DI/TRI CALCIUM SILICATE CEMENTS)



+

WATER FROM
SURROUNDING TISSUES



CALCIUM HYDROXIDE



Calcium hydroxide provides initial high pH for antibacterial effect, promoting osteogenic response.

2 BIOLOGICAL RESPONSE

CALCIUM HYDROXIDE



+

PHOSPHATE IONS FROM
SURROUNDING TISSUES



HYDROXYAPATITE



HYDROXYAPATITE:

- 1 Is biocompatible and bioactive (body recognizes it as a familiar structure and begins the healing process).*
- 2 Fills gaps to seal and combat bacterial infiltration.
- 3 Promotes the regrowth of tissues (cementum and periodontal ligament) on root exterior.

*Hydroxyapatite constitutes 95–97% of tooth enamel, 70–75% of dentin, and 60–70% of bones.¹

¹ Handbook of Radioactivity Analysis Book • Second Edition • 2004

