

FILL

ROOT

REMAKE



OPERATIONAL PROTOCOL

Premixed bioceramic sealants.

Hydraulic *flow* cements based on calcium aluminosilicate.

# OPERATIONAL PROTOCOL

EXCELLENT FLUIDITY  
COLD TECHNIQUE



MAXIMUM FLUIDITY  
WARM TECHNIQUE

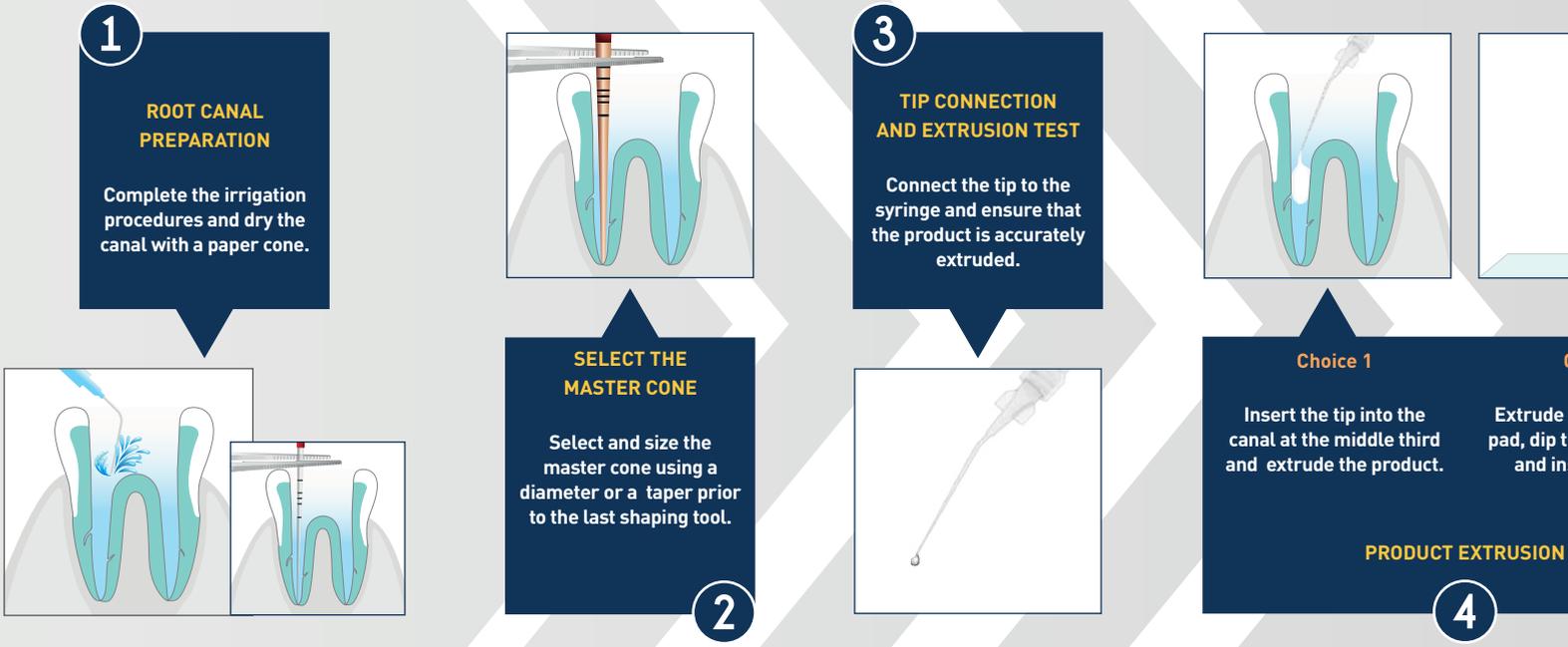


PACKAGING - FILL ROOT<sup>ST</sup> item code: 0000182

1 Syringe Fill Root<sup>ST</sup> 2 g. ■ 15 tips ■ IFU ■ Price list: € 140,00 + VAT

PACKAGING - REMAKE ROOT<sup>HT</sup> item code: 0003182

1 Syringe Remake Root<sup>HT</sup> 2 g. ■ 15 tips ■ IFU ■ Price list: € 168,00 + VAT



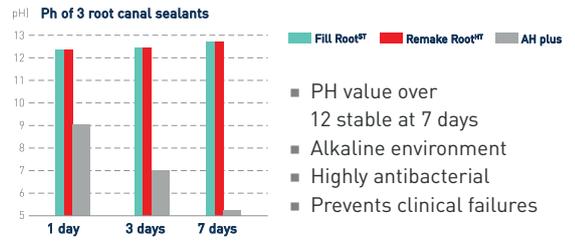
## Features and Benefits

- Calcium hydroxide generation
- Three-dimensional tight sealing
- Hydroxyapatite generation
- Chemical bond to gutta-percha and dentin
- Setting time: work(25 min.)
- Setting time: total(2,5 hours)
- No shrinkage
- Activation in wet field
- Resistance 100 MPa

## Clinical Indications

- Long canals
- Curved canals
- Complex anatomies
- Retreatments
- Lateral root canals

## Antibacterial



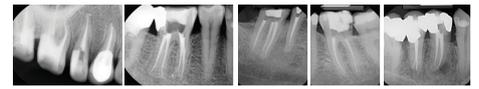
## Biocompatible

- Calcium aluminosilicate with a high degree of uncontamination
- Resin free
- Eugenol free

## Easy to use

- Ready to use
- Premixed monocomponent injectable paste.
- Compatible with Thermafil

## Radiopacity



Fill Root<sup>ST</sup> and Remake Root<sup>HT</sup> use zirconium oxide as radiopacifying agent with the highest market values without discolouring the element.

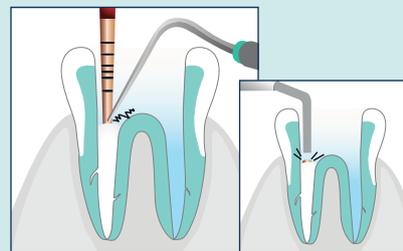
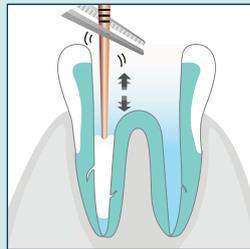
Real  
ioceramic  
0%  
TRISILICATES

TECHNIQUE 1

5<sup>st</sup>

PREPARATION OF THE CANAL

Insert the master cone into the root canal using a "pumping" movement.



FINISHING

Cut the master cone at the level of the orifice and condense it with a plugger.

6<sup>st</sup>

COLD TECHNIQUE SINGLE CONE



Choice 2

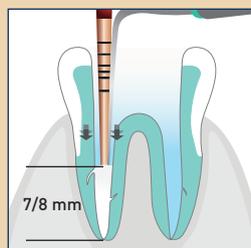
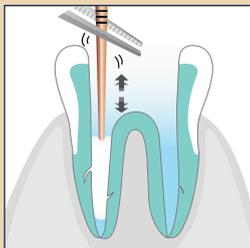
the product on a  
the tip of the cone  
insert it into the  
canal.

TECHNIQUE 2

5<sup>mwc</sup>

INSERT THE MASTER CONE

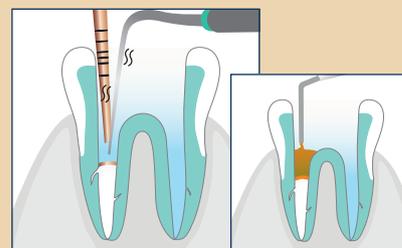
Insert the master cone into the root canal using a "pumping" movement.



7/8 mm

Step 1

Insert a heat carrier stopping at 7/8 mm from the apex, turn off the compactor and push down.



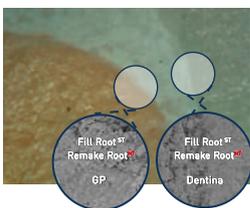
Step 2 / Step 3

Turn the heat carrier back on, cutting off and bringing upward the excess portion of the cone. The warm gutta percha can now be injected and further condensed into the coronal portion of the canal.

MILD WARM COMPACTION

6<sup>mwc</sup>

MILD WARM COMPACTION



Guaranteed chemical adhesion due to hydroxyapatite.



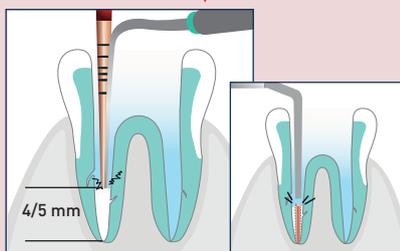
Microscopic image of the microleakage test (penetration test); no infiltration.

TECHNIQUE 3

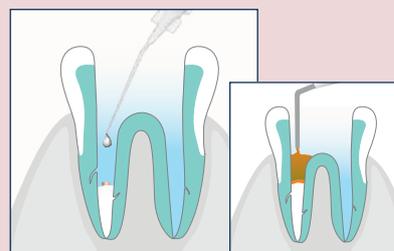
5<sup>ht</sup>

DOWN PACKING

Bring the master cone to working length and condense to 4/5 mm from the apex.



4/5 mm



BACK PACKING

Add a small amount of cement up to 1mm from the root canal orifice and compact with liquid gutta percha.

6<sup>ht</sup>

HOT TECHNIQUE CONTINUOUS WAVE

f FOLLOW US



Dental World s.r.l. Via Antichi Pastifici, 15 - 70056 Molfetta (BA) ITALY  
tel. +39 080.338.10.04 / fax +39 080.338.66.17  
[www.dental-world.it](http://www.dental-world.it) / [info@dental-world.it](mailto:info@dental-world.it)