

SafeEndo
enhance your endo !!

Product Catalogue



MFG/MD/2023/000203



COMPANY PROFILE

SafeEndo Dental India Pvt Ltd has always been at the forefront of pharmaceutical dentistry, developing, manufacturing and distributing a wide range of high quality dental products all over the world. Looking to the future, SafeEndo Dental India Pvt Ltd is also leveraging its competencies to bring innovative solutions in the medical field.

At Safe Endo we manufacture Endodontic, Restorative, Preventive, Auxiliary and Disinfection materials. We also import high quality Endodontic rotary files.

For Manufacturing we use pharmaceutical and food grade materials with high end automated machinery. Special attention is given to quality control at different stages of technological process. Each batch production is checked in our certified laboratory.

SafeEndo Research & Development team is constantly involved in developing new product range for the dental fraternity.

Today we at SafeEndo remain committed in serving Dental fraternity not only in India but all round the World through our trusted channel partners. Our mission is to improve oral health in India and around the World by providing first class quality products.



*In our culture, the white lotus is a symbol of great knowledge, that Goddess Saraswathi is the Hindu Goddess of learning, for all fields of knowledge and all the arts. the word **tamso ma jyotirgamay** means, **"O Goddess move us towards light from darkness"***

तमसो मा ज्योतिर्गमय

SafeEndo

Manufacturing

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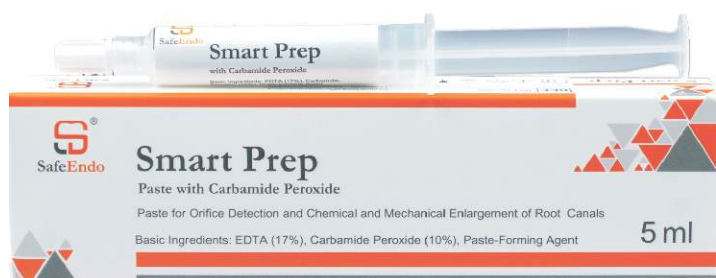
Endodontic Materials

Smart Prep Paste

Edta Paste With Carbamide Peroxide

Paste For Orifice Detection And Chemical Enlargement Of Root Canals

Basic Ingredients Edta Salts (17%), Carbamide Peroxide (10%), Paste - Forming Agent



Indications for use

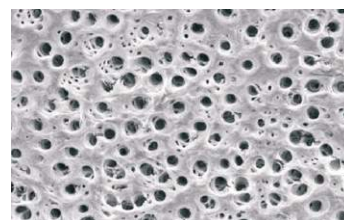
- Detection and Enlargement of Root Canals Orifice
- Lubricating Dental Instruments at Chemical and Mechanical Enlargement of Root Canals

Packaging :

- Syringe (5 ml), REF 001-02-005
- Syringe (25 ml), REF 001-02-025

Advantages

- Effective laburicant for endodontic instruments
- Fast penetration of medication into the canals and microtubules
- Easily washed away with water



SEM Images

Alternatives : RC Prep, Premier USA

Devitalize

Pulp Devitalizing Fibrous Paste

Non-Arsenic Paste for Dental Pulp Devitalization

Contains Polyoxymethelene, Lidocaine Hydrochloride, Parachlorophenol, Fibrous filler, paste forming agent



Packaging :
Paste (8 gm) Jar
REF 004-01-008

Indications for use

- Safe Pulp Devitalization before BioMechanical Preparation of Root Canals

Advantages

- Safe pulp devitalization
- Prolonged effect
- Painlessness procedure
- Effective pulp necrosis without arsenic

Alternatives: Caustinerf forte - Septodont, France

Devitalize Plus

Pulp Devitalizing Fibrous Paste

Non-Arsenic Paste for Dental Pulp Devitalization Contains Racemic Camphor, Polyoxymethelene, Lidocaine Hydrochloride, Parachlorophenol, Fibrous filler, paste forming agent



Packaging :
Syringe (2.5 gm),
REF 004-02-050

Indications for use

- Safe Pulp Devitalization before BioMechanical Preparation of Root Canals

Advantages

- Safe pulp devitalization
- Prolonged effect
- Painlessness procedure
- Effective pulp necrosis without arsenic

Racemic Camphor, Gives Synergetic Effect and More Efficient Results

Alternatives : Depulpin VOCCO - Germany

CalciCure

Intra Canal Medicament Paste

Paste based on Calcium Hydroxide for
Root Canal Dressing



Packaging :
Syringe (2 x 2 g),
dispensing tips
REF 004-02-102

 For kids and adult
dentistry use

Indications for use

- Intra Canal Medicament Paste for Root Canal treatment
- Apexification and Apexogenesis

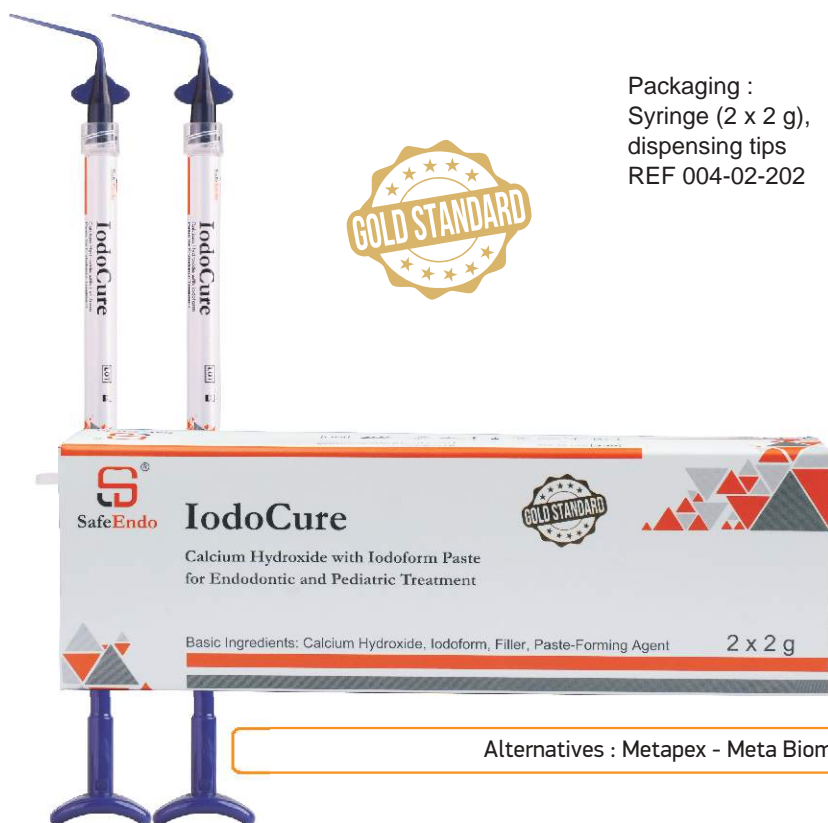
Advantages

- Superior antibacterial effect (pH 12,8) and radioopacity
- Providing conditions for tooth root growth and formation
- Paste is easily removed from canals if necessary
- Ultra-thin dispensing tips (0.52 mm with a hole size 22) allow to apply paste directly into canal

Alternatives : UltraCal XS - Ultradent USA

IodoCure

**Intra Canal Medicament Paste (Treatment for Root Canal Dressing)
for Apical Retrograde Filling and Root canal filling in Primary teeth**
Based on Iodoform and Calcium Hydroxide



Packaging :
Syringe (2 x 2 g),
dispensing tips
REF 004-02-202

Indications for use

- Chronic and all destructive forms of periodontitis
- Root apexification in case of periodontitis
- Infection of root perforations and fractures
- Primary teeth canals filling

Advantages

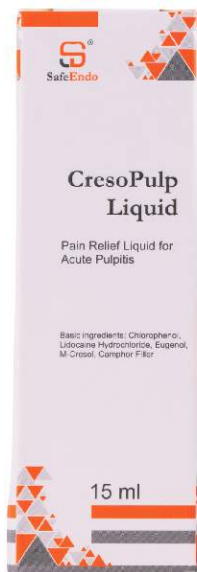
- Strong antiseptic properties (contains iodoform)
- High pH value (12.8), provides fast, continuous and durable bactericidal effect during treatment of infected canals and in periapical area (99% of bacteria are killed within 48 hours after root canal filling with the paste)
- Paste is easily removed from canals if necessary
- Stimulates hard tissues formation in apex
- Ultra-thin dispensing tips (0.52 mm with a hole size 22) allow to apply paste directly into canal

Alternatives : Metapex - Meta Biomed, South Korea

CresoPulp Liquid

Analgesic and Antiseptic solution for Root Canal Treatment

Based on Camphor, Chlorophenol and Lidocaine Hydrochloride (5%), Eugenol



Packaging :
bottle (15 ml),
with a pipette-cap
REF 004-03-015

Indications for use

- Immediate Pain relief and antiseptic in case of traumatic and acute pulpitis, prior to pulp devitalization
- Pain relief in case of acute pulpitis

Advantages

- Immediate and reliable analgesic effect
- Strong antiseptic agent
- Does not cause irritation
- High penetration capability
- Convenient pipette

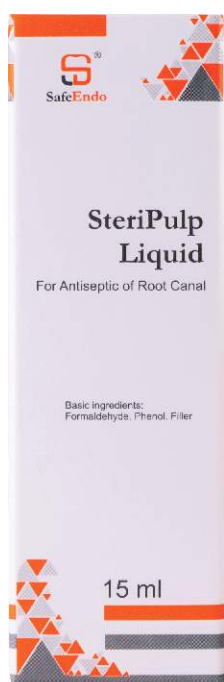
We kindly ask you to
read Instruction for use
carefully before use

Alternatives : Pulperyl - Septodont, France

SteriPulp Liquid

Antiseptic Disinfectant solution for Root Canal Treatment

Based on Phenol, Formic Aldehyde (non less than 30%)



Packaging :
bottle (15 ml),
with a pipette-cap
REF 004-04-015

Indications for use

- As Final Disinfectant for Infected tooth root canals in case of complicated pulpitis
- Treatment with antiseptic agent during Apicoectomy
- Infected root canals treatment

Advantages

- Strong antiseptic action
- Complete sterilization of tooth root canals
- Effective pain reduction, anti-inflammatory and anti-allergic action
- Convenient pipette

We kindly ask you to
read Instruction for use
carefully before use

Gives Synergetic Effect with EugeSeal

Alternatives : Cresophene - Septodont, France

EugeSeal

Modified Zinc Oxide Eugenol Root canals Sealer

Zinc Oxide, Calcium Phosphate, Eugenol, Thymol Iodide, Zirconium Oxide



Packaging :
Powder Glass Bottle (14 g),
Liquid Bottle with a pipette-cap (10 ml),
measuring spoon, mixing pad
REF 004-01-1410



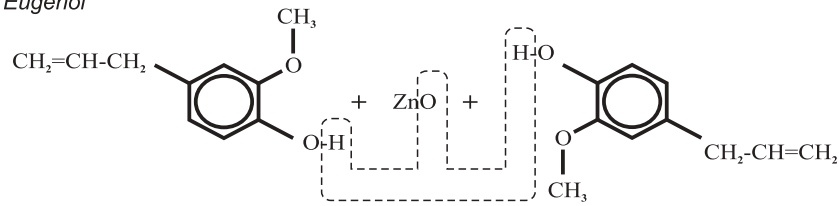
Indications for use

- As Root Canal Sealer for prepared root canals with gutta-percha points

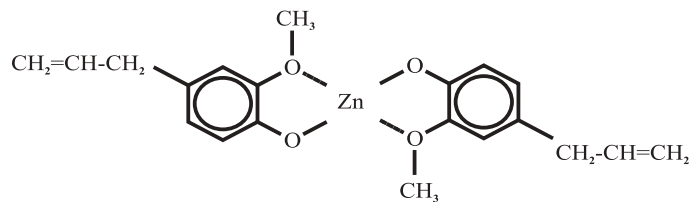
Advantages

- Significant periapical sensibility reduction (contains Dexamethasone - 0.01%, Hydrocortisone Acetate - 1.00%)
- Easily mixed and remains flexible during 2-3 hours
- Strong bactericidal effect due to Thymol Iodide
- film thickness 3-5 μm
- Low solubility (0.15%) guarantees longtime lifespan of root filling
- Radiopaque

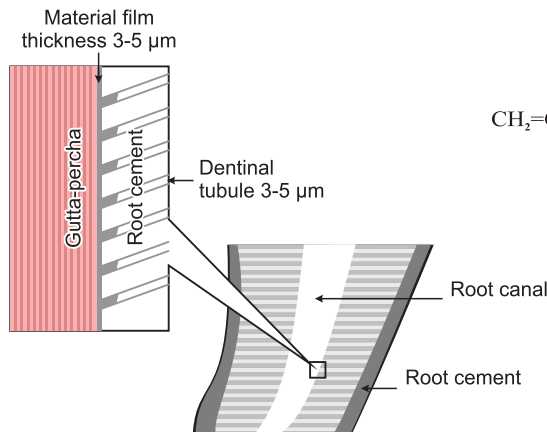
Eugenol



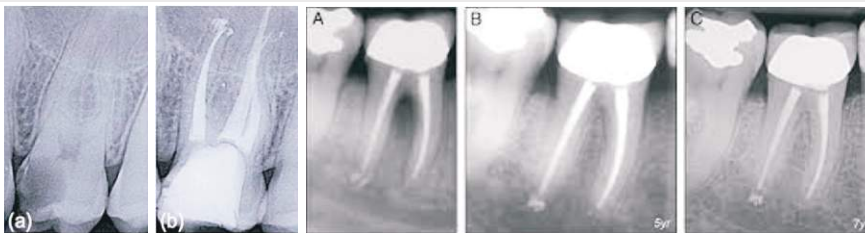
$-\text{H}_2\text{O}$



Zinc eugenolate



Clinical case of use EugeSeal at root canal obturation with gutta-percha



Alternatives : Endomethasone - Septodont, France

EpoxySeal

Root canals Sealer based on Epoxy-Amine resin with Zirconium Oxide



Packaging :

Ivory paste (tube, 5 ml),
White paste (tube, 5 ml),
Mixing pad
REF 004-02-005

Indications for use

- Sealing of tooth root canals with gutta-percha points
- Warm carrier-based obturation

Advantages

- Excellent flow properties
- Longtime lifespan of filling
- Reliable sealing
- Does not contain Urotropin
- Does not cause pain after filling

Film thickness – 5 µm;
Good flow properties - 25 mm

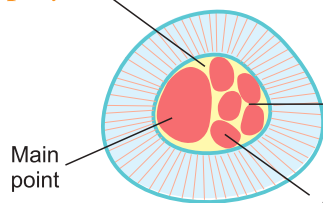
allow material to penetrate and fill area in-between the points and root canal walls, ensuring proper fitting of points and integrity of root filling

+

Low solubility - 0,1%

30 times lower than requirements of ISO 6876 (clause 4.8)

EpoxySeal



SEM* image

Use of EpoxySeal sealer with gutta-percha points



It does not contain urotropin. Hardening does not cause toxic gas emission and exothermic effects in root filling, thus filling amount stays stable and cause no post-filling pains.

- Excellent sealing capacity
- Durable results



Alternatives : AH Plus - Dentsply, USA

BioStructure MTA

Root Repair Material (MTA) Based on Mineral Trioxide Aggregate

TriCalcium Sillicate, TriCalcium Aluminate, Zirconium oxide
Liquid : Calcium Chloride in purified water

 For kids and adult dentistry use

Advantages

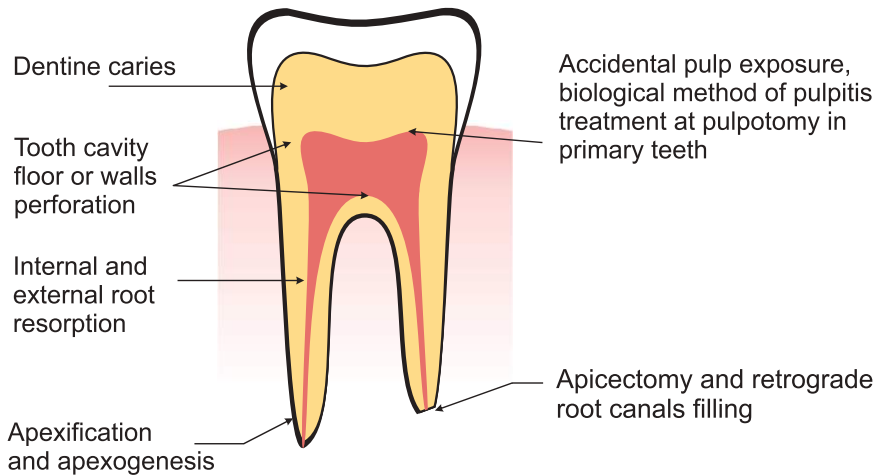
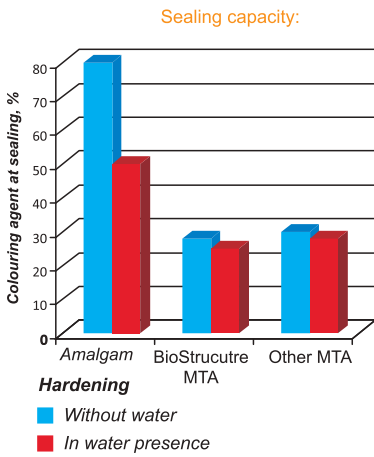
- Hardens in presence of moisture and blood
- Controlled setting time (16 Minute)
- High mechanical resistances
- Excellent biocompatibility
- Low solubility
- High alkalinity and microbicidal activity



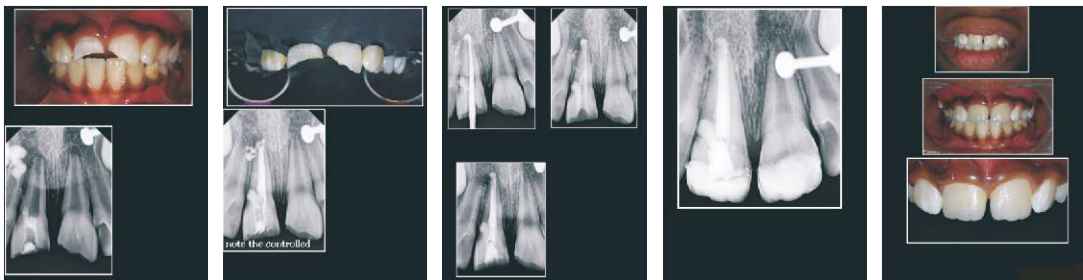
Packaging :
Powder (1 gm)
Liquid (2 ml)
REF 005-01-0102

Characteristics	BioStrucutre MTA
Initial setting time	16 minutes
Compression resistance, MPa	45±2
Solubility,%	0,58
pH value	12,8

Clinical use of BioStructure MTA



Clinical case of use BioStructure at Apicectomy and retrograde filling



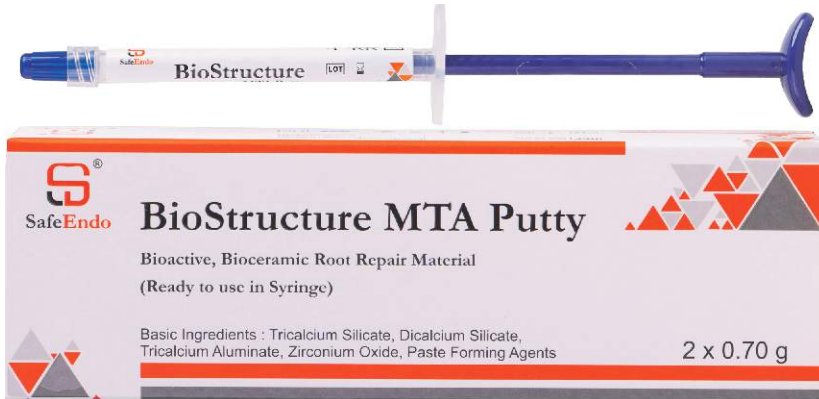
Alternatives : ProRoot, MTA - Dentsply, USA; Biodentine - Septodont, France

BioStructure MTA Putty

MTA in Putty form, ready to use in Syringe form

TriCalcium Silicate, DiCalcium Silicate, TriCalcium Aluminate, Zirconium Oxide, Paste Forming agent.

Bioactive paste consisting of an extremely fine, inorganic powder of Tricalcium/ Dicalcium silicate in an organic medium. The product is packaged ready-to-use. No mixing is required.



Packaging:
Syringe (2x0.70 gm),
REF 005-02-070

Indications for use

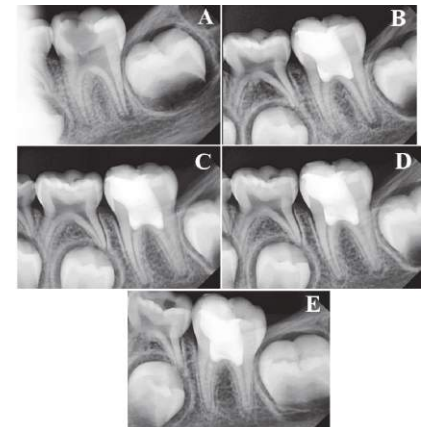
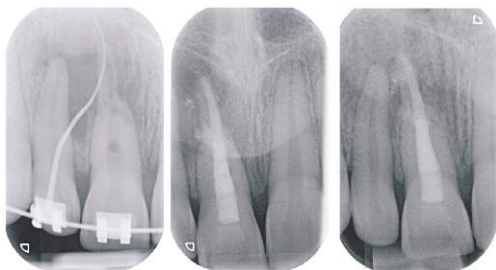
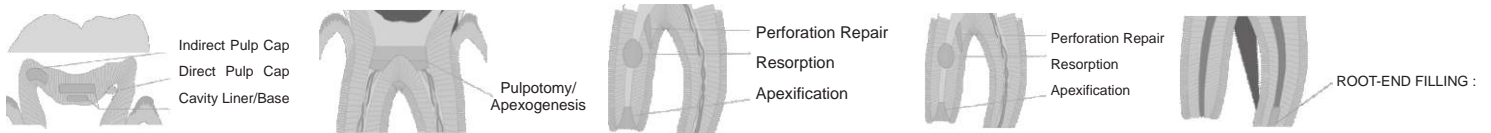
- Indirect Pulp capping
- Direct Pulp capping
- Apexogenesis
- As Cavity liner and base for recurrent carious areas
- Partial Pulpotomy
- Pulpotomy

Properties

- Bioactive Bioceramic
- Does not discolor teeth
- Radiopaque
- Resin-free
- Working Time at room temperature: 10+hrs.
- Initial Setting Time at 37°C, invivo (or moist environment): approx. 4-5hrs.
- Solubility: <4%.
- Dimensional stability: +0.05-0.10%expansion.

Advantages

- Hardens in presence of moisture and blood
- High mechanical resistances
- Excellent biocompatibility
- Low solubility
- High alkalinity and microbicidal activity



Alternatives : Angelus Bio-C Repair



For kids and adult dentistry use

BioActive RCS

Bio Ceramic based Root Canal Sealer

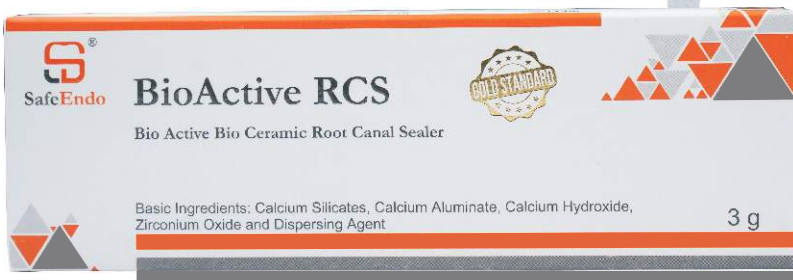
Calcium Silicates, Calcium Aluminate, Calcium Hydroxide, Zirconium Oxide and Dispersing Agent.



Packaging:
syringe (3 gm),
8 dispensing tips
REF 004-01-003

Indications for use

Permanent root canal filling in combination with gutta-percha points in vital or necrotic pulp cases or after a retreatment procedure. BioActive RCS is suitable for use in single cone technique or cold lateral condensation.



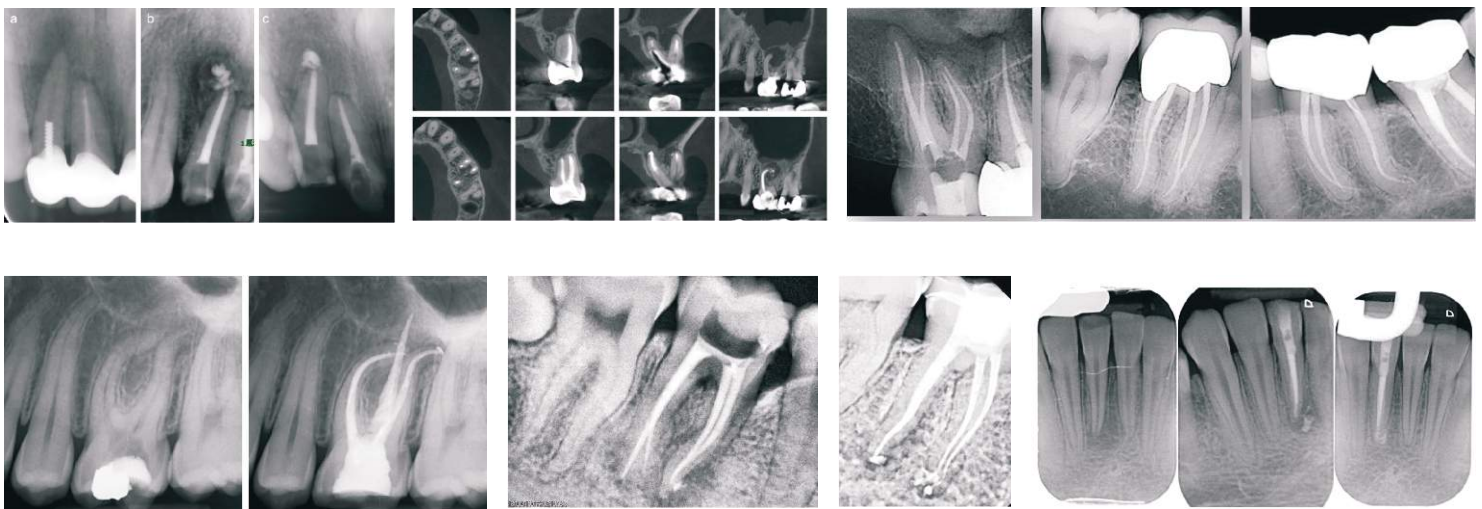
Advantages

BioActive RCS is a bioactive mineral root canal sealer based on innovative mineral micro-aggregate chemistry "Active Biosilicate Technology" that offers

- 1) Biocompatibility: high mineral purity and monomer free formulation reducing the risk of adverse tissue reaction
- 2) Bioactive properties: hydroxyapatite formation at the tooth-sealer interface and mineralization of dentinal structure
- 3) Alkaline pH
- 4) Sealing properties: crystallization of the material inside the dentin tubules creating a tight seal
- 5) Retreatable : if a retreatment is needed, BioActive RCS can be easily removed from the root canal



Setting Time 6 - 7 Hours Depending upon moisture in canal seal cap tightly after use



Alternatives : Ceraseal - Meta Biomed, South Korea

Endodontic Materials

HypoChlor 3.25 % HypoChlor Forte 5.25 %

Sodium Hypochlorite solution for Root canals irrigation
Sodium Hypochlorite 3.25%, 5.25%,
Sodium Chloride, Sodium Carbonate, solute qs ad 100g.



! We request you to use rubber dam



1 Open cap, Remove Aluminium Seal



2 Puncture Luer cap from needle three side (Do not puncture centre part first)



3 Puncture Luer cap from centre Hole with Needle (Make sure it is straight puncture)



4 Hold the syringe firmly syringe, Luer Cap and start pulling syringe piston

Advantages

- Effective cleaning of root canal system.
- Sodium hypochlorite concentrated can dissolve vital pulp remains, Smear layer (organic matrix of the dentin).
- High Bactericidal potency of Sodium Hypochlorite helps in irrigation process of Root Canal Treatment

Alternatives : Chloraxid CerKamed

HexaChlor

Final Root Canal Irrigation Solution
Chlorhexidine Diiguconate Solution (2%)
in Isopropyl Alcohol



Packaging :
HypoChlor 500 ml bottle
with luer cap
REF 002-04-500

Indications for use

- Treatment of infected Root Canals with Pulpitis and Periodontitis as final irrigation.
- Treatment of prepared tooth cavity before filling
- Prophylactic washing of Oral Mucosa in Gingivitis and initial Periodontitis
- Antiseptic washing of Periodontal Pockets

Advantages

- Powerful Antiseptic, inhibiting anaerobic flora of root canals. Antiseptic is active against gram-positive and gram-negative bacteria and retains its properties in blood and pus.
- Effectively sterilizes root canal system.
- Does not reduce the adhesion of sealing material to tooth tissues.

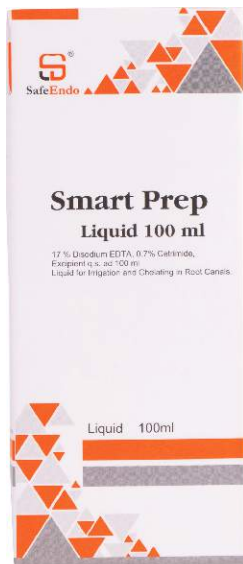
↑ Easy to operate with luer cap

Alternatives : Gluco Chex 2% CerKamed

SmartPrep Liquid 100ml

Root Canal Chelating Material

EDTA solution for Root canals irrigation
17% Disodium EDTA, 0.7% Cetrimide



Packaging :
SmartPrep Liquid 100 ml
bottle with luer cap
REF 002-03-100

Indications for use

- Irrigation and Chelating agent in Root Canal Treatment
- Detection of root canal orifice
- Chemical enlargement of root canals during preparing for BMP

Advantages

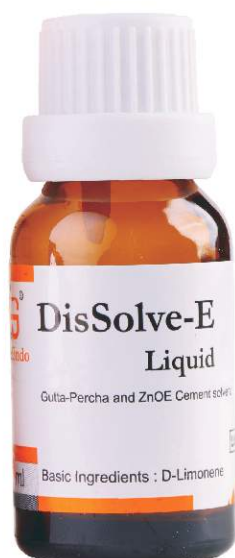
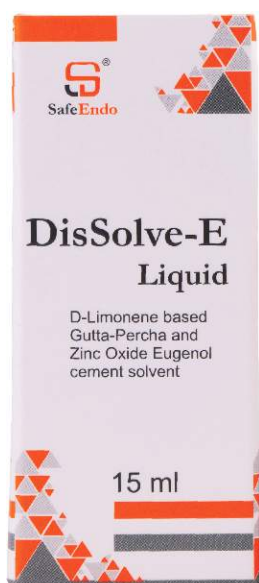
Main component is EDTA, after injection into dentine forms a complex with dentine calcium, loosens the structure of hard tooth tissues and makes easier enlargement of calcified and sclerous orifice of the canals, cleans and forms hard accessible tooth canals.

↑ *Easy to operate
with luer cap*

Alternatives : Endo - Solution 17% CerKamed

DisSolve-E

D-Limonene based Gutta Percha and Zinc Oxide Eugenol Cement Solvent



Packaging :
DisSolve-E 15 ml
bottle with Euro Dropper
REF 002-06-015

Indications for use

DisSolve E.G.P. Solvent is used for removing gutta percha at the time of root canal retreatment. Also useful for removing all types of root canal filling materials including Zinc Oxide - Eugenol Cement or as a cleaner for endodontic instruments.

Advantages

DisSolve E, Gutta Percha Solvent is used for removing gutta percha at the time of root canal re-treatment. DisSolve E, Gutta Percha Solvent is based on natural substances and therefore it does not cause irritation to oral mucosa and peri-apical tissue.

Alternatives : EndoSolv Septodont France



Auxiliary Materials

SmartEtch

Etching Gel for Dentin and Enamel
Orthophosphoric acid (37%)
Gel forming agent with aqueous base



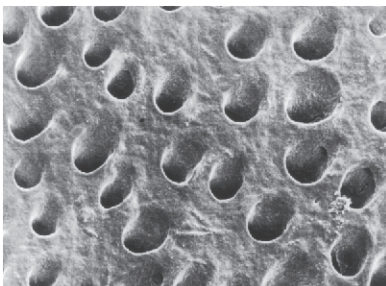
Packaging :
Syringe (5 ml), REF 001-01-005
Syringe (25 ml), REF 001-01-025
dispensing tips

Indications for use

- Enamel and Dentine etching according to acid etching technique

Advantages

- High colour contrast for application control
- Efficient consistency for point application
- Easy to wash away with a stream of water and air
- Does not discolour tooth surface



SEM IMAGE



Thixotropic gel for controlled application



Alternatives : Ultra Etch - Ultradent, USA

SocketCure

Dry Socket Paste for Extracted Wound

Butamben 26%, Iodoform 16%, Eugenol 14%, excipients



Packaging :
Jar (15 g)
REF 004-05-015

Indications for use

- Non Resorbable Temporary Filling
- Socket filling after tooth extraction
- Acute alveolitis treatment

Advantages

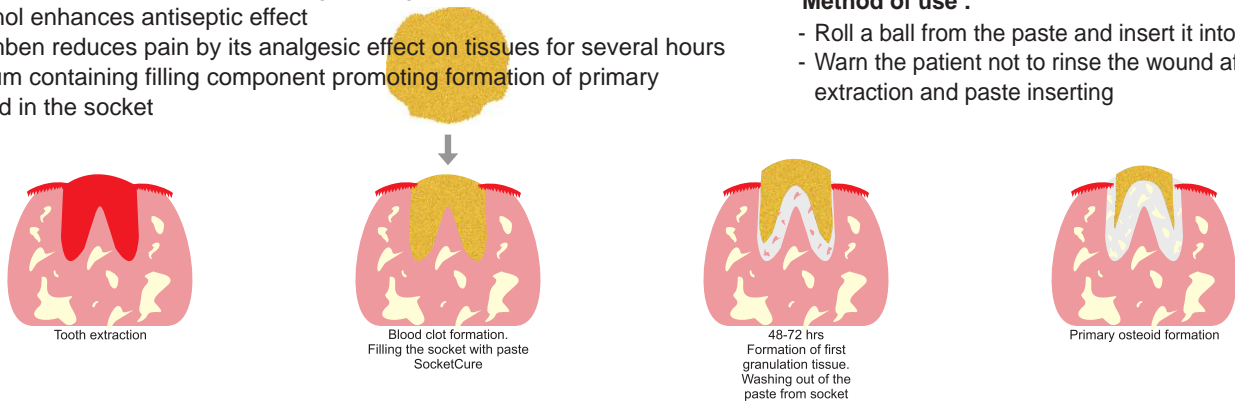
- Fast and prolonged analgesic effect
- Strong antiseptic
- Fast hemostasis and blood clots formation
- Good consistency - fibrous easy forming paste
- Fast wound healing
- No need to remove the paste from socket (gradually washing)
- Does not hurt oral mucosa

SocketCure contains active components, providing long-term therapeutic effect:

- Iodoform is an antiseptic, possessing prolonged antibacterial effect
- Eugenol enhances antiseptic effect
- Butamben reduces pain by its analgesic effect on tissues for several hours
- Calcium containing filling component promoting formation of primary osteoid in the socket

Method of use :

- Roll a ball from the paste and insert it into tooth socket
- Warn the patient not to rinse the wound after tooth extraction and paste inserting



Alternatives : Alvogyl - Septodont, France

SmartRetract

For Gingival Retraction and Hemostasis

Based on Aluminium Chloride (25%)
Benzalkonium Chloride, Gel forming agent

Packaging :
Syringe (5 ml), REF 001-03-005
dispensing tips
Liquid (15 ml), REF 002-03-015
euro dropper bottle



Indications for use

- Prevent Gingival capillary bleeding
- Stop Gingival leakage
- Gingival retraction for impression making and cervical caries treatment

Advantages

- High-efficient hemostatic and astringent agent
- Immediate retraction with a prolonged effect (20-30 min.)
- Easily washed away with jet of water
- No discoloration for contacting tissues and materials
- Easy to use with the help of syringe with dispensing tips

Alternatives : ViscoStar Clear - Ultadent, USA



Diagnostic Material

Explore

Caries Detector Dye

Acid Rhodamine Dye in semi-aqueous base

Packaging :
Bottle Euro Dropper (15 ml)
REF 002-07-015



Indications for use

- Caries Disclosing Agent for Conservative Dentistry

Advantages

Caries Detector Dye
Fast and Easy Use, reserves Healthy Tooth Hard Substance, Stains Tooth Hard Structure RED changed by Dental Caries during all Preparatory measure in the cavity.

Small amount of liquid is applied or painted on infected tooth surface or dentin surface by micro applicator tips for 10 seconds. Wash the liquid off with water and dry with compressed air. At the same time, it makes sure that as little healthy dentin which can be remineralised is removed as possible, secures pulp vitality, and preserves the healthy tooth structure. Using Explore, you can confidently proceed with the excavation because only the irreversibly diseased dentin is stained red.

Alternatives : Caries Detector-kuraray Japan



Filling materials

SmartTemp

Eugenol Free Temporary Filling Material

Zinc Oxide, Calcium Sulphate, Poly Vinyl Acetate Resin, Flavours and additives.



For kids and adult dentistry use

Packaging :
Jar (40 g)
REF 005-02-040

Indications for use

- As a Temporary Filling material for Root Canal Procedure
- Cavity Restoration and Inlays and implant abutment sealer.

Advantages

- High-ductile material
- Does not contain eugenol
- Quick hardening (4 minutes)
- Safe tooth cavity sealing
- Applicable for paedodontics



**! Tightly Close
Cap After Use**

**Dibutyl
Phthalate Free**

Alternatives : Cimpat - Septodont, France

GlassyRestore

Radiopaque Glass Ionomer Cement for Restoration

Powder : Fluoroaluminosilicate Glass Powder, Modifier, Dye stuff
 Liquid : Polyacrylic acid, Maleic Acid, Tartaric acid



For kids and adult dentistry use

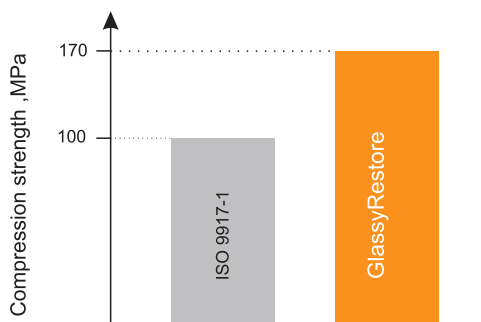
AVAILABLE SOON

Indications for use

- Filling cavities of I, II, III and V class (according to Black classification)
- ART-technique filling
- Primary teeth filling
- Sealing of fissure small defects, caused by non-carious lesion of teeth
- In aim to form layer-base for composite restoration
- Temporary filling

Advantages

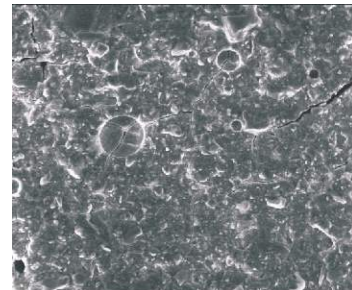
- Good adhesion
- Efficient hardening time
- Compression strength 170±5 Mpa
- Prolonged anti-caries effect, fluoride release
- Radio-opacity
- Biocompatibility
- Proper aesthetic characteristics
- VITA shades guide: A2, A3,



Powder (bottle) 20g
 Liquid (bottle) 15g (13 ml),
 Measuring spoon (1 pcs)
 Mixing pad (1 pcs)
 REF 005-02-2015

Aesthetic properties of GlassyCem restorative GIC

Transparence in comparison



SEM Image

Ratio powder/liquid, g/g	1/0.75 1 dose meter of powder spoonful / 1 drop of liquid
Mixing time, sec	30-45
Working time, min.	2,0-2,5
Hardening time from the start of mixing, min.	4-5



Alternatives: Fuji IX - GC, Japan

GlassyLute

Radiopaque Glass Ionomer Cement for Luting

Powder : Fluoroaluminosilicate Glass Powder, Modifierator

Liquid : Polyacrylic acid, Maleic Acid, Tartaric acid



For kids and adult dentistry use

Powder (bottle) 35g

Liquid (bottle) 25g

Measuring spoon

Mixing pad (1 pcs)

REF 005-01-3520

Indications for use

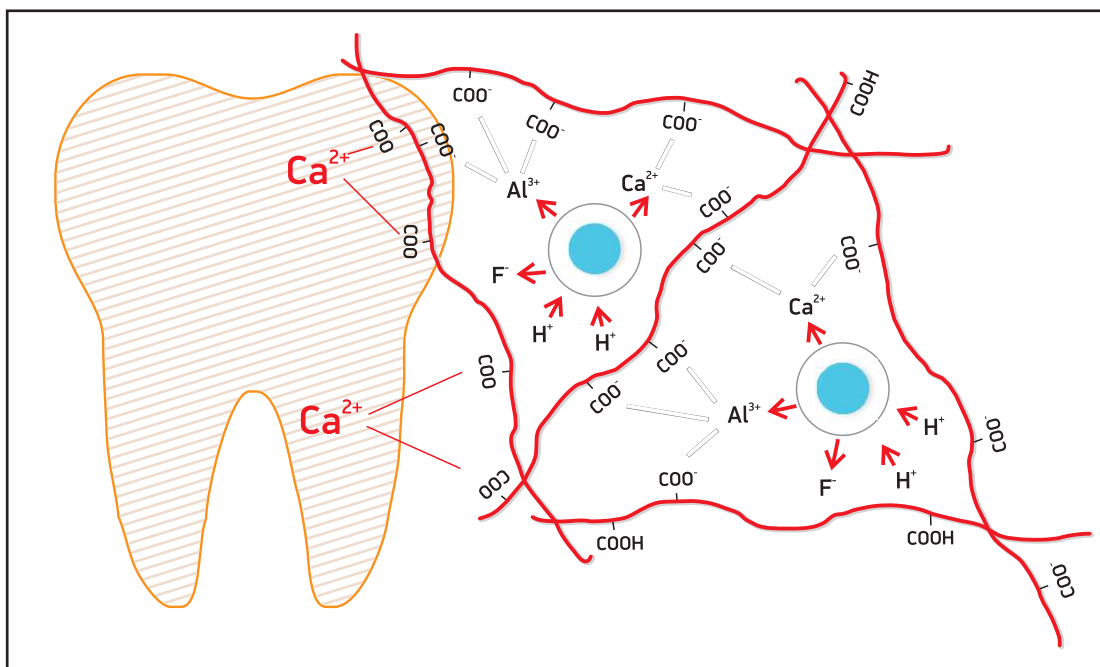
- Fixing of crowns, dental bridgework, inlays and onlays
- Formation of tooth stump

Advantages

- Prolonged anti-caries effect
- Radio-opacity
- Biocompatibility
- Suitable for fixation of metal-free crowns and bridges made of high-strength types of ceramics
- Film thickness 10 Micron
- Good adhesion

AVAILABLE SOON

Adhesion force = Ionic force



Scheme of interaction of polyacrylic acid and dentine calcium ions

- Adhesion to dentine using conditioner 6,5 – 7,5 MPa
- Adhesion to dentine without using conditioner 4,5-5,2 MPa

Alternatives: GC - Fuji I, Japan



DisInfection Material

Secure T

Total Surface Disinfectant

Isopropyl Alcohol 25%, Benzethonium Chloride 0.28%, Sterile Distilled Water, Flavours and Stabilizers

Packaging :
500 ml bottle with
Trigger Spary
REF 007-01-500

EFFECTIVE SURFACE DISINFECTANT AGAINST Mycobacterium Tuberculosis, Staphylococcus Aureus, Streptococcus Aureus, Hepatitis B virus, Hepatitis C virus, Herpes Simplex type 1 and 2, HIV-1, Covid-19.

- SURFACE DISINFECTANT, CLEANING

Secure T will effective clean and disinfect, when sprayed directly on surface after inserting trigger sprayer, wipe it **03:00** after 3 minutes with sterile cloth or tissue paper. Liquid will not evaporate.

- PRECLEANING INSTRUMENTS

Secure T will be effective to allow complete submersion, cover and allow to soak for 10 minutes in sterile container, after rinse it properly (Non Corosive property). Add one ounce of Secure T per liter of water to **10:00** ultrasonic cleaner, activate solution for 10 minuets, rinse and wash thoroughly under running water and then go with autoclave procedure.

- WIPING INSTRUMENTS

For Endoscopic instruments, Dental Ultrasonic scaler, Dental **03:00** Light Cure Unit, Operatory light and other radiographic sensors, spray and leave solution for 3 Minutes and wipe sterile cloth or tissue paper.



Dual Purpose... Disinfectant And Cleaner ...2 In 1 Solution

- Better And Wide Coverage Area Compare to Spray
- Gentle and Non Corrosive On Instruments
- Due To Its Leave-on Type Nature,
- Offers Prolonged And Wide Spectrum Efficacy



Light Cure Filling materials

ReCreate LC

Universal Nano-Hybrid light-curing packable Composite material

Packaging :
Paste - Syringe (4.5 g)
REF 005-02-450



For kids and adult
dentistry use



Indications for use

- Restoration of all cavity classes according to Black classification
- Core Build-ups
- Splinting
- Correction of composite restorations
- Fabrication of indirect restorations (inlays, onalays, veneers)

Advantages

- Excellent polishing
- Does not stick to instrument
- Keep stable at modeling
- Excellent radiopacity
- Fluorescence

Physical properties*:

Compressive strength, MPa	390
Flexural strength, MPa	130
Flexural modulus, GPa	9.5
Diametral tensile strength, MPa	65
Water absorption, µg/ mm ³	3.5
Solubility, µg/ mm ³	0.17
Volumetric shrinkage, %	1.8
Radio-opacity, mm Al	3.5

Shade : A1, A2, A3, A3.5, B1, B2, B3, OA2, OA3, INC

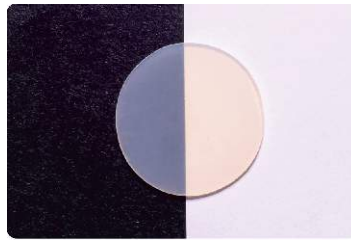
Special set of fillings :

- Radiopaque Barium Boron Aluminosilicate glass (0.02-2.0 µm);
- Nanoparticles of Silicon Oxide (5-20 nm);
- Aggregated particles of modified filler (0.4-1.0 µm), proportion of each filler, efficient combination of size and class of particles make a highly-filled composite material (80% mass), provide its mechanical strength and good polishing abilities.

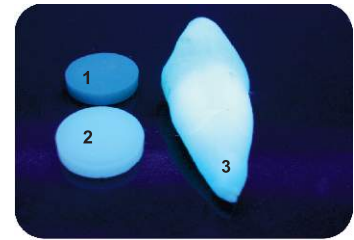
Light Cure Filling materials



Transparency of samples, universal shade A2 of different thickness from 0,5 to 2,0 mm



ReCreate composite opalescence



Fluorescence comparison of composites and tooth tissues under exposure of ultraviolet lighting:

- 1 - Composite A
- 2 - ReCreate Composite
- 3 - Natural tooth

Convenient composite kit of shades includes **three subgroups of different transparency** what allows to match natural teeth tissues colour during modeling.

ReCreate composite samples, thickness 1,2 mm

Transparent shades
Transparent shades

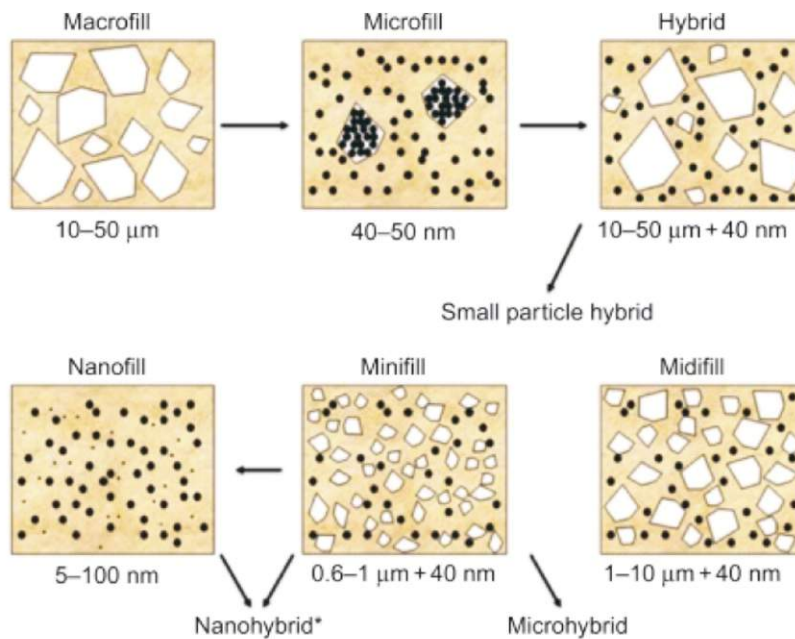
Transparent shades
INC (translucent clear)
for modeling of cutting edge and reaching optical "depth effect" at restoration.

Universal shades
Universal shades

Universal shades
A1, A2, A3, A3.5, B1, B2, B3
Possess average transparency/opacity between dentinal and enamel shades, depending on the thickness of material layer.

Dentin-opaque shades
Dentin-opaque shades

Dentin-opaque shades
OA2, OA3
Disguising shades for intensity restoration and covering of discoloration. Allow to cover dentin pigmentation and prevent translucent transillumination. more than 0.5 mm.



Alternatives : Filtek Z350 - 3M ESPE USA

ReCreate LC-5 Composite Kit

Universal Light Curing Nano Hybrid Composite Kit



Packaging :
Syg. 4 x 4.5g A1, A2, A3, B2
Smart Etch 5ml
ReCreate Bond-5
Accessories
REF 005-05-445

Indications for use

- Restoration of all cavity classes according to Black classification
- Core Build-ups
- Splinting
- Correction of composite restorations
- Fabrication of indirect restorations (inlays, onalays, veneers)

Advantages

- Excellent polishing
- Does not stick to instrument
- Keep stable at modeling
- Excellent radiopacity
- Fluorescence

Customization of Shade Available on request

ReCreate LC-7 Composite Kit

Universal Light Curing Nano Hybrid Composite Kit



Packaging :
Syg. 4 x 4.5g A1, A2, A3, B2
ProClean 7gm Composite Polishing Paste
ReCreate Bond-7
Accessories
REF 005-07-445

Indications for use

- Restoration of all cavity classes according to Black classification
- Core Build-ups
- Splinting
- Correction of composite restorations
- Fabrication of indirect restorations (inlays, onalays, veneers)

Advantages

- Excellent polishing
- Does not stick to instrument
- Keep stable at modeling
- Excellent radiopacity
- Fluorescence

Customization of Shade Available on request

Light Cure Filling materials

ReCreate LC Flow

Light Curing Nano Hybrid Radiopaque Flowable Composite

 For kids and adult dentistry use



Indications for use

- Filling minimally invasive cavities of all class
- Filling small Class I cavities and extended fissure sealing
- Filling Class V (Cervical Caries) directly
- V shaped cavities including Root Erosion
- Repair Of Ceramic and Composite Resin Veneers
- Block out undercuts for Impression
- Luting translucent prosthetic and orthodontic pieces

Advantages

- Excellent Flowability
- Excellent polishing
- Does not stick to instrument
- Keeps stable at modeling
- Excellent radiopacity
- Fluorescence

Shade : A1, A2, A3, B2, Pink, Blue

Curing Time 20-40 Second.
Compressive Strength -282Mpa
Available In High Viscous and Low Viscous

Packaging :
Syg. 2 x 2.5g
REF 005-01-250

Alternatives : Filtek Flow - 3M ESPE USA

ReCreate Bond 5

Total Etch
5th Generation Bonding System

Presentation :
dropper bottle (5 ml)
005-05-005

ReCreate Bond 7

Self Etch
7th Generation Bonding System

Presentation :
dropper bottle (5 ml)
005-07-005

Indications for use

- Reliable bonding of Ic composite restoration to dental tissues

Advantages

- Easy penetration into dentine tubules
- Elastance and tight edge fit
- Tight adhesion to tooth hard tissues (27 MPa)
- Easy adaption of composite first layer
- Compatible with all light-curing composites

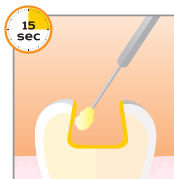


! Do not wash after application of Bond

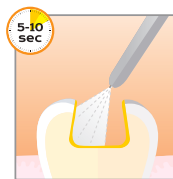
Curing Time 20 Second.



Etching

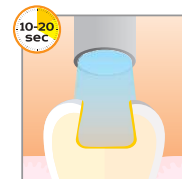


bond applying



drying

Curing Time 20 Second.



light curing

Alternatives : Solo Bond - Voco, Bondfix-Voco, Germany



ReCal LC

Light Curing Calcium Hydroxide Cavity Liner and Pulp Capping



Packaging :
Syringe (2.5 g)
REF 005-03-250

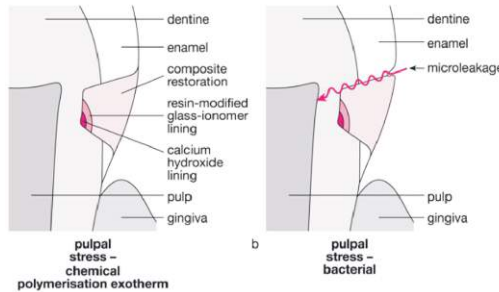
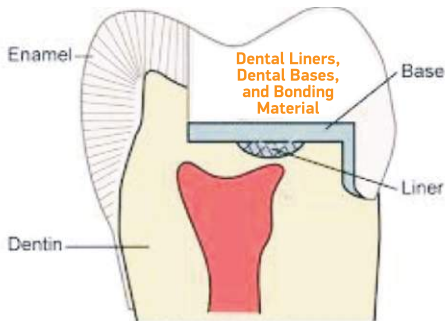
Indications for use

- Indirect Pulp capping for Carious exposures
- As a Cavity liner under all restorative material

Advantages

ReCal - LC is designed to perform better barrier for pulp tissues, appropriate placement of material in to deep cavities. Light curing property gives better stability of cavity liner that gives immediate placement of restoration over cavity lining area.

Thickness 1 mm layer
Curing Time 20 Second.



Alternatives : Calcimol Lc - Voco, Germany

ReGlass LC

Light Curing Radiopaque Glass Ionomer Cavity Liner



Packaging :
Syringe (2.5 g)
REF 005-04-250



Indications for use

- An a Cavity liner under all restorative materials for better thermal insulators.
- In class V cavities for abrasion defects.
- Pit and fissure sealing and smaller surface lesions under ATR.

Advantages

ReGlass - Lc is designed to perform better barrier for pulp tissues, appropriate placement of material in to deep cavities. Light curing property gives better stability of cavity liner that gives immediate placement of restoration over cavity lining area.

Thickness 1 mm layer
Curing Time 20 Second.

Alternatives : Ionoseal - Voco, Germany

ReTemp LC Flow

Light-curing temporary filling composite

Packaging :
Syringe (2 x 2.5 g)
REF 005-02-250



Indications for use

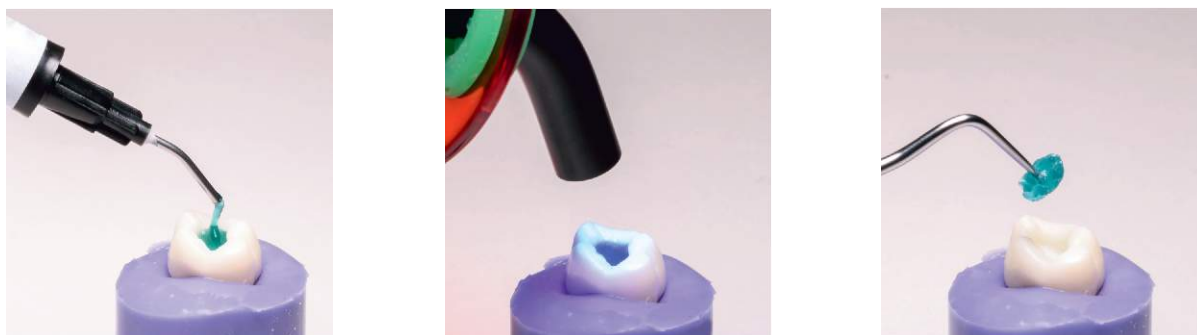
- Temporary isolation of cavities during long endodontic treatment
- Temporary isolation during microprosthetics
- Temporary sealing of implant abutment screw
- Blocking concavities before impression making
- Fixation of polymer matrix in interdental spaces during restoration.
- As a Gingival Barrier
- Preendodontic Build Up

Advantages

- Saving time (curing time is 10-20 sec)
- Easy to use
- Tight marginal seal
- Withstands chewing load
- Easy to treat and polish
- Can be easily removed in one portion without drilling

Flexible and reliable filling

Last generation elastomer provides best combination of viscoelasticity and strength properties of material. Light cure polymerization forms stable 3D net structure with “shape memory”. Low shrinkage of material allows decreasing polymerization stress of margin filling-tooth and avoiding marginal gap appearance. Cured material is easy to remove by one whole portion with hand dental instrument not damaging prepared cavity margin (even with the presence of overhang).



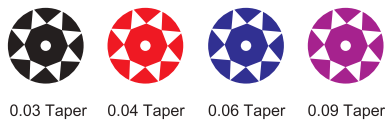
Comparative characteristics

Material	ReTemp LC Flow	Temp it ² (Spident, Korea)	Clip ² (Voco, Germany)	Requirements ISO 4049
Physical and chemical properties				
Water solubility, µg/mm ³	1,1	5,66	0,46 %	≤ 7,5
Water absorption, µg/mm ³	10,3	35,98	—	≤ 40
Hardness (Shore A)	87	86 ¹	90	—

Alternatives : Clip - VOCO, Germany; Temp.it - Spident, Korea; Temp.it Flow - Spident, Korea

Smart Files

NiTi Heat Activation



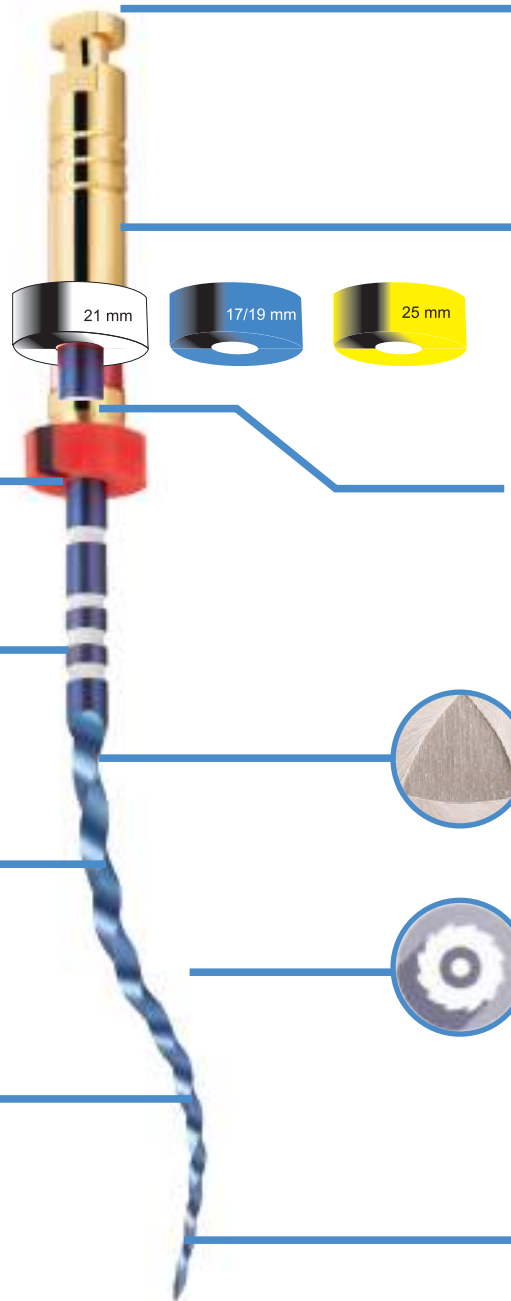
Petals or SMD
(Safety Memory Disc)

Two Files for
Most Cases

High Fracture
Resistance

Excellent
Flexibility

CTA Wire-
Controlled
Thermal
Activation Wire



Taper Indicator
2 Rings 0.04Taper
3 Rings 0.06Taper

Colour Coding-
Easy Identification
of Tip Size

Calibrated
Length Marking

Triangle cross

Sharp Cutting Flutes
For Better Cutting
Efficiency

Safety Tip-
Non Cutting Tip

EXAMPLE OF CANAL COMPLEXITY
SIMPLE, Straight/Slightly curved canals
MEDIUM, Moderately curved/Narrow canals
DIFFICULT, Extreme curvature/S-Shaped/Calcified



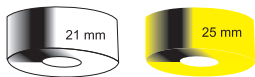
REMOVE
1 Petal
2 Petals
3 Petals

Smart Files

NiTi Heat Activation

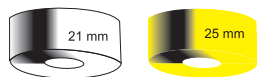
- Operation Type: Engine Use
- Made of high quality NiTi alloy, after heat activation treatment
blue colour is derived
- Blue file are flexible, tough, and pre-curved suitable for curved canals
- More sharper and performs better for canal preparation
- 6pcs per pack, available for single or assorted sizes

Assorted 1




	Model	0#	15#	20#	25#	30#	25#
	Taper	9%	3%	4%	4%	4%	6%
	Length	19mm	2 1 / 25 m m				
	Torque	3.0 N.cm	1.5 N.cm	1.5 N.cm	1.5 N.cm	1.5 N.cm	2.0 N.cm
	Speed	300-350rpm	250-300rpm				

Assorted 2



	Model	0#	17#	20#	25#	30#	25#
	Taper	9%	4%	4%	4%	4%	6%
	Length	19mm	2 1 / 25 m m				
	Torque	3.0 N.cm	1.5 N.cm	1.5 N.cm	1.5 N.cm	1.5 N.cm	2.0 N.cm
	Speed	300-350rpm	250-300rpm				


Assorted 3 for Pedo & Wisdom Teeth



17/19 mm
17 mm

Model	0#	20#	17#	20#	25#	20#
Taper	9%	3%	4%	4%	4%	6%
Length	17mm	19 mm				
Torque	3.0N.cm	1.0N.cm	1.0N.cm	1.5N.cm	1.5N.cm	2.0N.cm
Speed	300-350rpm	250-300rpm				

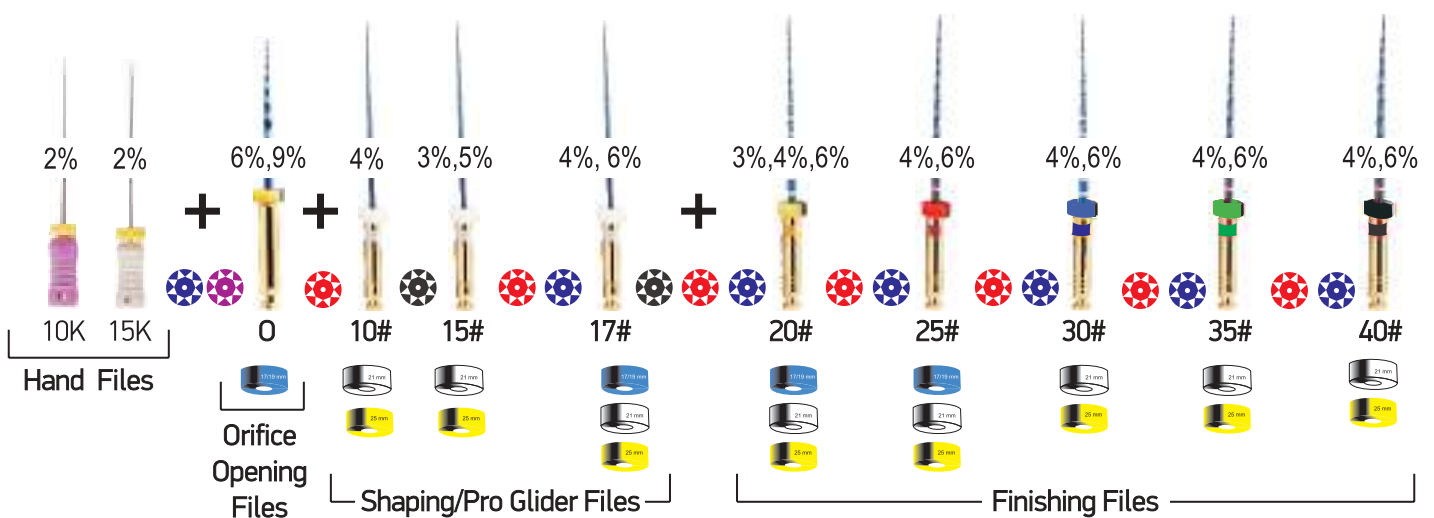
Assorted Protaper



21 mm
25 mm
Rotary / Hand
17 mm

Model	SX	S1	S2	F1	F2	F3
Taper	3.5-19%	2-11%	4-12%	7%	8%	9%
Length	19mm	2 1 / 2 5 mm				
Torque	3.0N.cm	2.0N.cm	1.5N.cm	2.0N.cm	2.0N.cm	2.0N.cm
Speed	300-350rpm	250-400rpm				

Procedure Protocol



2% 2% 6%,9% 4% 3%,5% 4%, 6% 3%,4%,6% 4%,6% 4%,6% 4%,6% 4%,6%

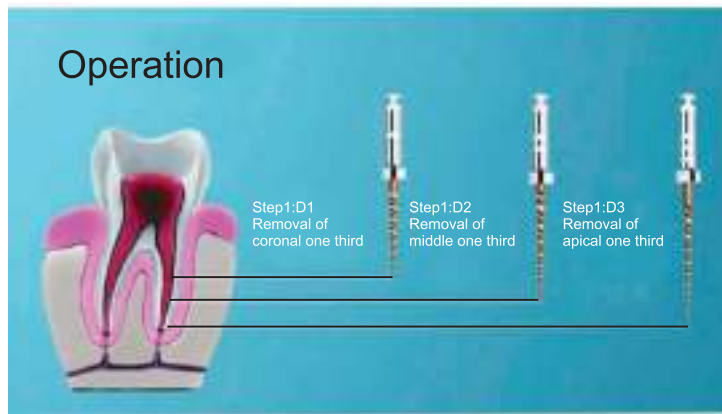
10K 15K 0 10# 15# 17# 20# 25# 30# 35# 40#

Hand Files Orifice Opening Files Shaping/Pro Glider Files Finishing Files

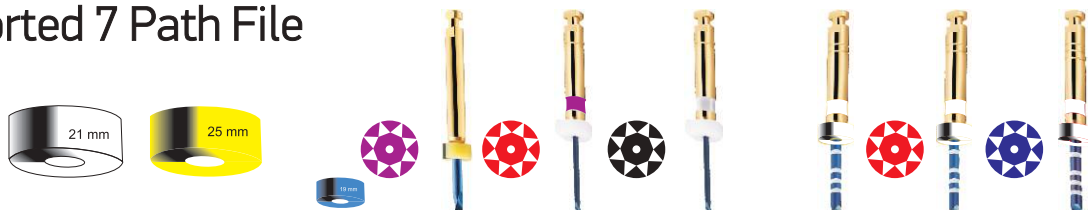
Retreatment File



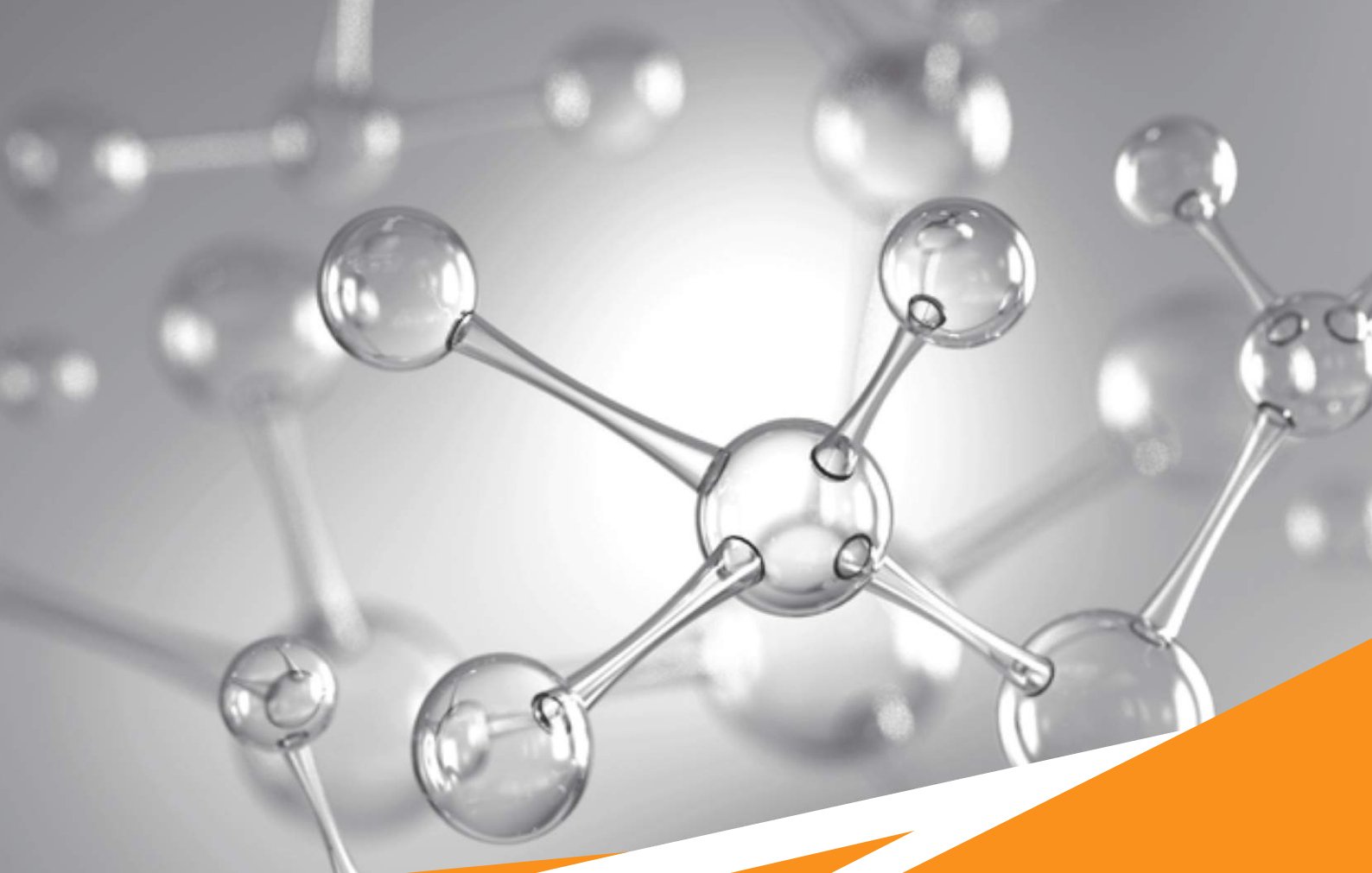
	Model	30#	30#	25#	25#	20#	20#
	Taper	9%	9%	8%	8%	7%	7%
	Length	16mm	16mm	19mm	19mm	23mm	23mm
	Torque	3.0N.cm	3.0N.cm	2.0N.cm	2.0N.cm	1.5N.cm	1.5N.cm
	Speed	300-350rpm		250-300rpm		200-250rpm	



Assorted 7 Path File



	Model	0#	10#	15#	15#	17#	17#
	Taper	6%	4%	3%	5%	4%	6%
	Length	19mm	2 1 / 2 5 m m				
	Torque	3.0N.cm	1.5N.cm	1.5N.cm	2.0N.cm	2.0N.cm	2.0N.cm
	Speed	300-350rpm	150rpm	150rpm	200rpm	200rpm	250rpm



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We are committed to serve Dental Fraternity.

 **SafeEndo**

A/6/2, Kamdhenu Industrial Estate,
Gorwa, Vadodara, Gujarat-390016.

D/207, 2nd Floor, Abhishek Complex 1,
Asarwa, Ahmedabad-380016.

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