

No System?



DENTSPLY Core & Post System

Adhesive Core Build-up Kit

- Complete treatment solution for the placement of core build-ups and endodontic posts
- CTS (Certified Treatment System): Products with proven compatibility
- Excellent performance of system components



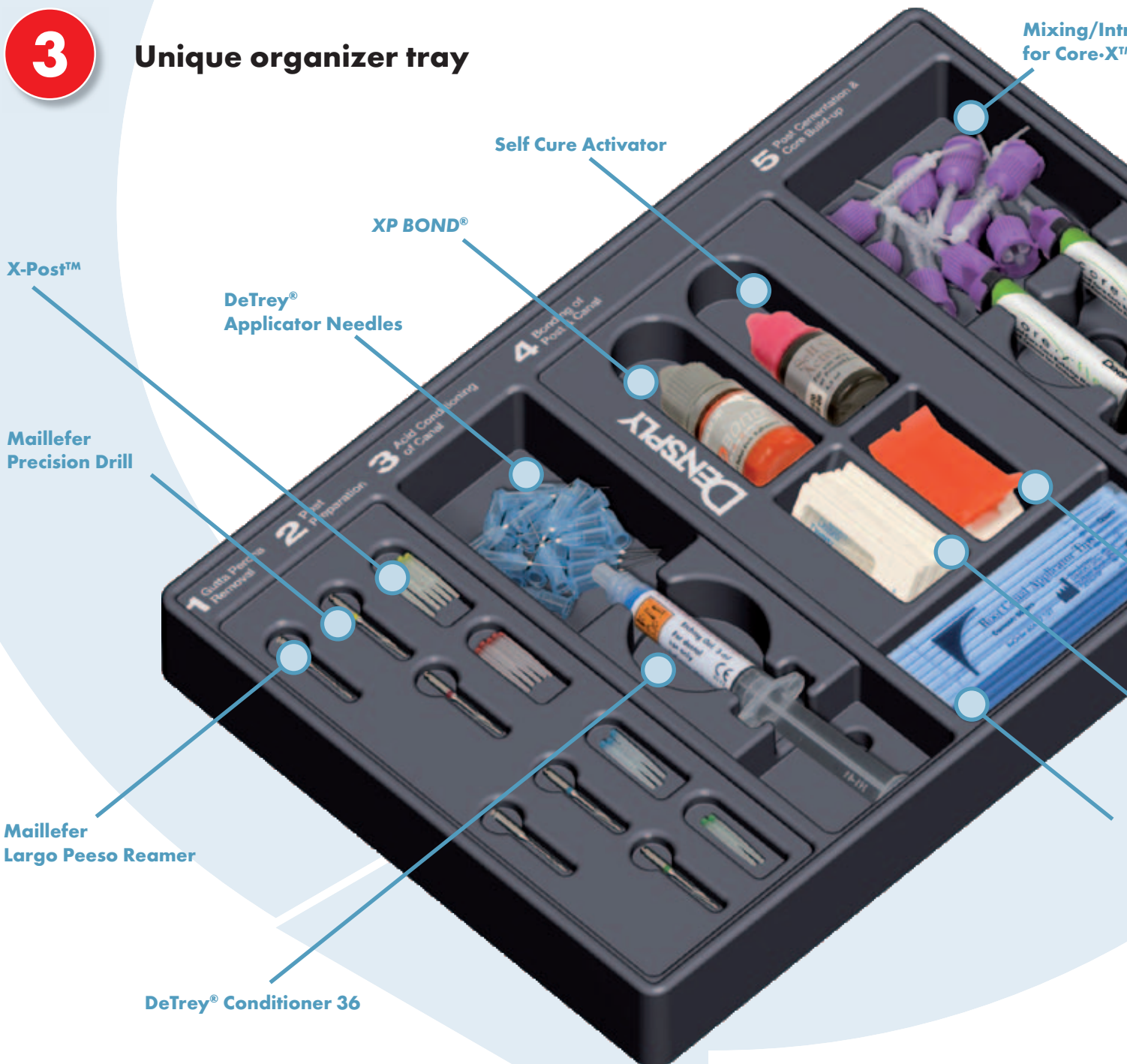
For better dentistry

DENTSPLY

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Adhesive Core Build-up Kit

- 1** Complete treatment solution for the placement of core build-ups and endodontic posts
- 2** CTS (Certified Treatment System): Products with proven compatibility
- 3** Unique organizer tray



Ultra Oral Tips
Core-X™ flow

Core-X™ flow

Mixing Pad

CliXdish™

Paper Points

Root Canal
Applicator Tips

- 1** ▶ Fast and easy procedure: Complete treatment system with universal materials helps to save time and expenses
- 2** ▶ Complete DENTSPLY solution: All system components with excellent performance
- 3** ▶ Components are arranged according to the clinical sequence:
 - Step 1: Gutta Percha removal
 - Step 2: Post preparation
 - Step 3: Acid conditioning of the canal
 - Step 4: Bonding of the post and canal
 - Step 5: Post cementation and core build-up

CERTIFIED
TREATMENT SYSTEM

CTS

Adhesive
Core Build-up

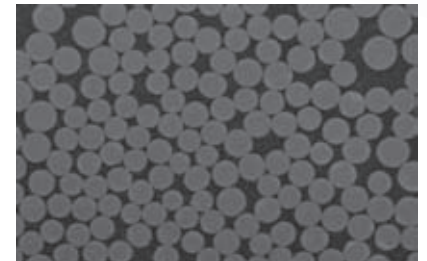
x · p o s t™

Endodontic Fiber Post



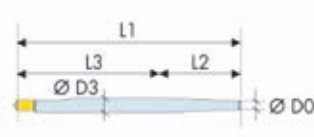
- 1 Dentine like elasticity**
- 2 Minimal dentine removal**
- 3 Stable build-up**

1 ▶ Parallel oriented glass fibers prevent fissures or fractures



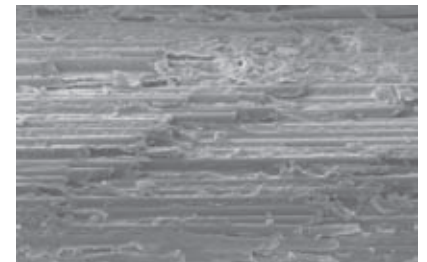
2 ▶ Tapered shape mimics the anatomy of the root canal

	[mm]	ØD0	ØD3	L1	L2	L3
N#1		0.8	1.35	20.0	6.00	13.77
N#2		0.8	1.47	20.0	7.25	12.52
N#3		1.0	1.67	20.0	7.20	12.51
N#4		1.0	1.83	20.0	9.00	10.71

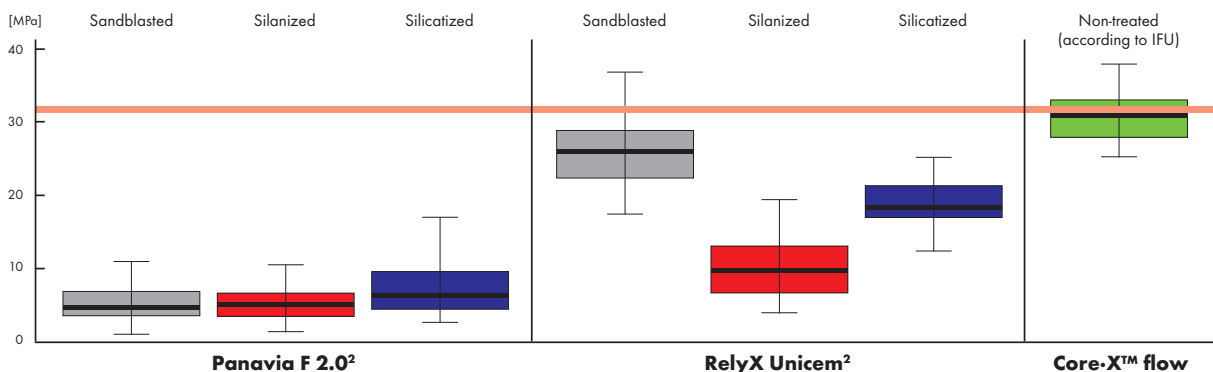


3 ▶ Microporous surface provides maximum surface for better adhesion of cement

- Radiopaque: X-ray detection for easy monitoring
- High translucency facilitates light curing, giving better control over cement and bonding setting times



Highest bond strength for non-treated X-Post™ in combination with XP BOND®, Self Cure Activator and Core-X™ flow¹



¹ Wagner T. et al., Influence of different post surface treatments on bond strengths of glass fiber posts in root canals (DGZ 2008, Abstract 0049).

² Panavia F 2.0 and RelyX Unicem are not registered trademarks of DENTSPLY International, Inc.

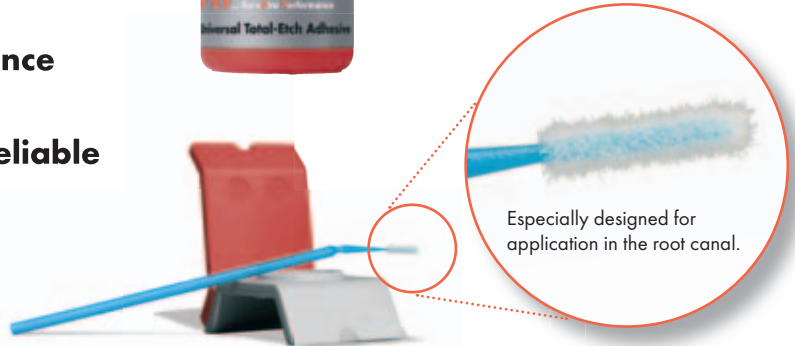
XP BOND®

... for eXtra Performance



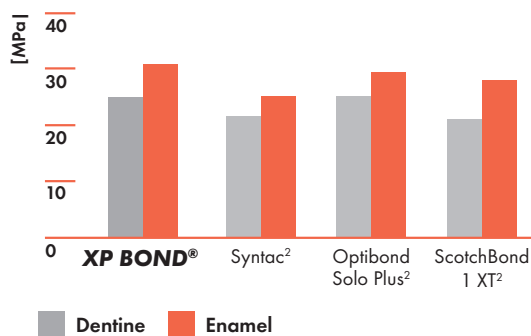
Universal Total-Etch Adhesive

- 1 **Excellent bonding performance**
- 2 **Proven self-cure¹ mode for reliable adhesion in the root canal**
- 3 **Universal use for all direct and indirect applications**

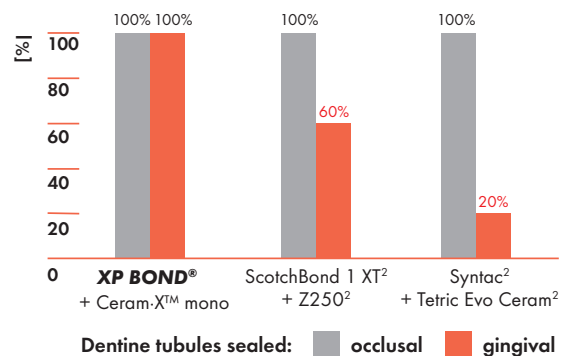


1 ▶ XP BOND® demonstrates high bond strength and excellent microleakage results.

Shear bond strength on enamel and dentine³



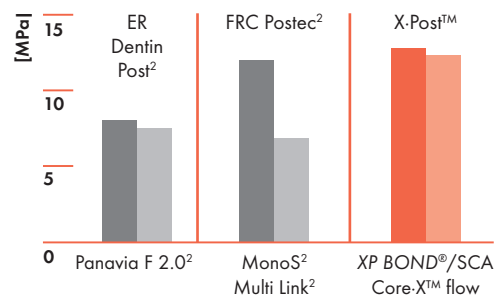
Dentine permeability in class V⁴



2 ▶ XP BOND® in combination with Self Cure Activator and Core-X™ flow offers reliable adhesion of posts in the root canal.

- 0 = Directly after placement
- 90 = After 90 days of storage in water

Adhesion between cement and post⁵



3 ▶ XP BOND® is indicated for all direct restorations when used "solo". With the DENTSPLY Self Cure Activator, the indications include all kinds of indirect restorations, making XP BOND® a truly universal adhesive.

- **Light cure**
- **Dual cure**
- **Self cure**



¹ In combination with Self Cure Activator and Core-X™ flow.

² Syntac, Optibond Solo Plus, ScotchBond 1 XT, Z250, Tetric Evo Ceram, ER Dentin Post, FRC Postec, Panavia F 2.0, MonoS and Multi Link are not registered trademarks of DENTSPLY International, Inc.

³ M.A. Latta, Shear bond strength and physicochemical interactions of XP BOND (J Adhes Dent 2007; 9: 245-248).

⁴ J.I. Rosales-Leal, Microleakage of class V composite restorations placed with etch-and-rinse and self-etching adhesives before and after thermocycling (J Adhes Dent 2007; 9: 255-259).

⁵ F&E-Labor für Medizinische Werkstoffe; Leiter: Univ.-Prof. Dr. rer. nat. R. Marx; Universitätsklinikum Aachen, Germany.

core · x™ flow

Dual Cure Core Build-up Material and Cement for Endodontic Posts

- 1** **One product for core build-up and post cementation**
- 2** **Convenient automix syringe**
- 3** **Dual cure mode**



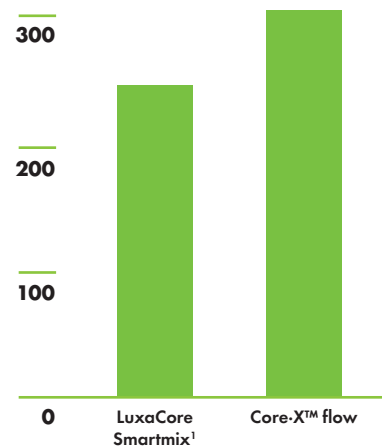
1 ▶ Two indications in one product (core build-up and post cementation) help to save time and additional expenses

- Radiopaque: X-ray detection for monitoring
- High compressive strength "Cuts like dentine"

2 ▶ Consistent mix of material and predictable quality. Mixing/IntraOral Tips are especially designed for direct application in the root canal

- 3** ▶
- Post placement: Reliable chemical curing with XP BOND® and Self Cure Activator in the root canal
 - Core build-up: Speed of placement and high depth of cure: 3 mm in 20 seconds

Compressive strength (MPa) of core build-up materials²

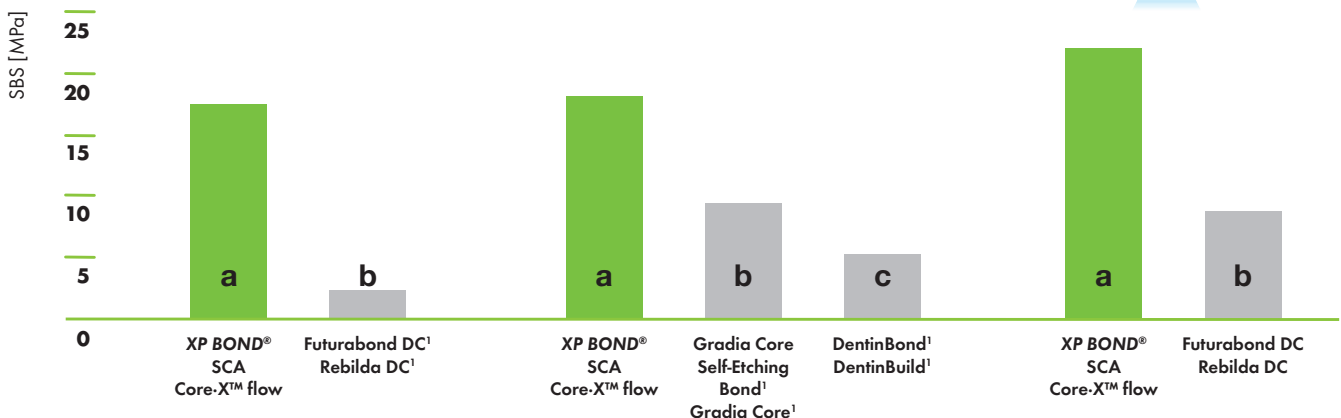


Excellent bond strength of Core-X™ flow in combination with XP BOND® and Self Cure Activator³

Adhesive



Luting Cement



¹ LuxaCore Smartmix, Futurabond DC, Rebilda DC, Gradia Core Self-Etching Bond, Gradia Core, DentinBond and DentinBuild are not registered trademarks of DENTSPLY International, Inc.

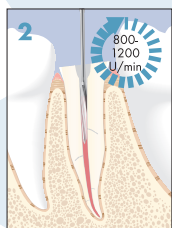
² Data on file.

³ a, b: statistical groups (p < 0.05) DENTSPLY DeTrey GmbH; 2009,2010.

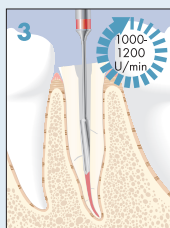
Step by step treatment

1 X-Post™	No.1	No. 2	No. 3	No. 4
Color Code	yellow	red	blue	green
Largo® Peeso Reamer	No. 1	No. 1	No. 2	No. 2
Easy Post Precision Drill	No. 1	No. 2	No. 3	No. 4

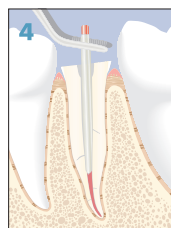
Select correct X-Post™ size using radiograph, according to anatomical situation. Select the Largo® Peeso Reamer and Easy Post Precision Drill corresponding to the selected X-Post™ size.



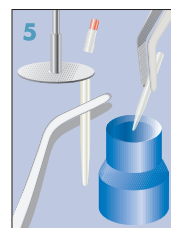
Remove root canal filling material with the corresponding (see Table 1) Largo® Peeso Reamer (rotation speed: 800-1200 rpm).



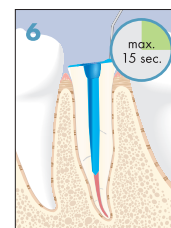
Prepare canal with the selected Easy Post Precision Drill (1000-1200 rpm).



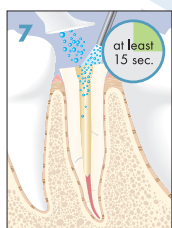
Check fit of the X-Post™.



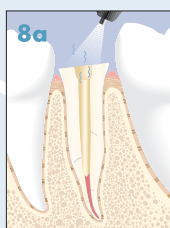
Reduce X-Post™ to adequate length outside the mouth and clean with alcohol.



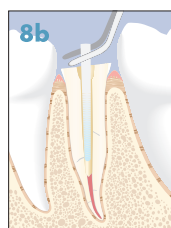
Etch dentin with DeTrey® Conditioner 36 for up to 15 seconds.



Remove acid gel and rinse for at least 15 seconds.



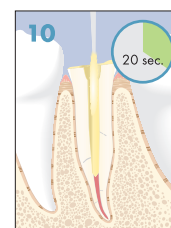
Gently remove rinsing water with air syringe ... **Do not desiccate!**



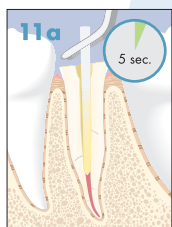
... and/or paper point. **Do not desiccate!**



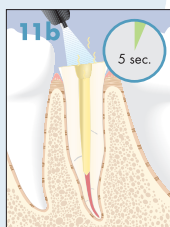
First dispense XP BOND®, then Self Cure Activator in equal ratio into a Clixdish™. Mix for at least 2 sec.



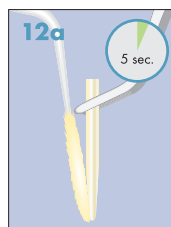
Apply XP BOND®/SCA into canal and other surfaces for bonding and leave undisturbed for 20 seconds.



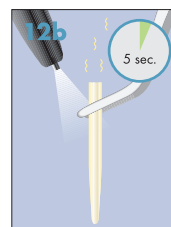
Remove surplus of XP BOND®/SCA mixture with paper point.



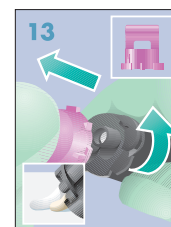
Evaporate solvent by blowing gently with air.



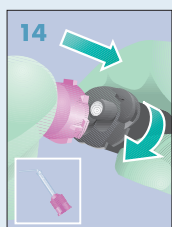
Wet the whole X-Post™ with XP BOND®/SCA mixture.



Remove solvent of XP BOND®/SCA mixture by blowing gently with air. Protect X-Post™ from light.



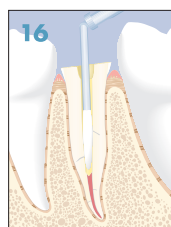
Remove cap of Core-X™ flow syringe and discard a small amount of material.



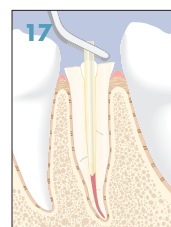
Install mixing tip on the cartridge (consider v-shape notch). Turn colored mix tip cap 90 degrees in a clockwise direction to lock in place on syringe.



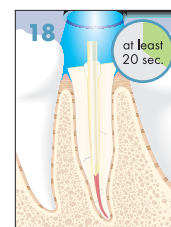
Gently dispense a small amount of Core-X™ flow onto a mixing pad **DO NOT USE EXCESSIVE FORCE!**



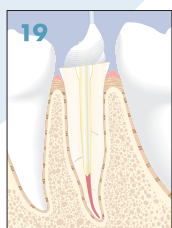
Apply Core-X™ flow directly into the canal. **Post must be fully seated within 40 seconds maximum!**



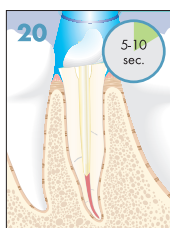
Immediately place X-Post™ into final position and stabilize.



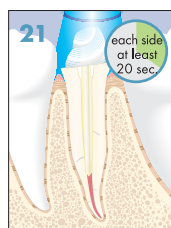
Once stabilized, light cure for at least 20 seconds. Curing light output $\geq 550 \text{ mW/cm}^2$.



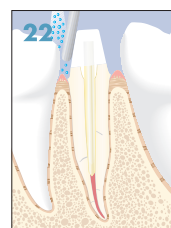
Model further core-build up with Core-X™ flow syringe.



Increments may be light-cured in order to „freeze“ the material.



Finally light-cure for at least 20 seconds from each side or wait for 3 1/2 minutes.



Prepare core-build up with rotary instruments under water cooling.



Continue by impression taking or temporisation.

ReOrder Information

DENTSPLY Core & Post System ReOrder 606.67.400



Maillefer Largo Peeso Reamer

Size 1 (for Fiber Posts 1+2) ReOrder A000924000100 (6 pcs.)
 Size 2 (for Fiber Posts 3+4) ReOrder A000924000200 (6 pcs.)



Maillefer Precision Drill

Size 1 (yellow) ReOrder C060100000100 (3 pcs.)
 Size 2 (red) ReOrder C060100000200 (3 pcs.)
 Size 3 (blue) ReOrder C060100000300 (3 pcs.)
 Size 4 (green) ReOrder C060100000400 (3 pcs.)



X-Post™

Size 1 (yellow) ReOrder 606.67.332 (5 pcs.)
 Size 2 (red) ReOrder 606.67.333 (5 pcs.)
 Size 3 (blue) ReOrder 606.67.334 (5 pcs.)
 Size 4 (green) ReOrder 606.67.335 (5 pcs.)



DeTrey® Conditioner 36

ReOrder 606.15.208
 (2 syringes, 3 ml each
 + 25 Applicator Needles)



DeTrey® Applicator Needles for Conditioner 36

ReOrder 606.15.204 (25 pcs.)

XP BOND®

ReOrder 606.67.281
 (1 bottle, 5 ml + 1 CliXdish™)

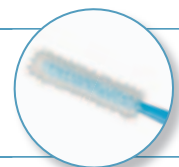


Self Cure Activator

ReOrder 634354K
 (1 bottle, 4.5 ml)

Root Canal Applicator Tips

ReOrder 606.67.197 (50 pcs.)



Paper Points

ReOrder 616.30.026 (180 pcs.)



Core-X™ flow

ReOrder 606.67.330 (4 syringes,
 4.75 g each + 20 Mixing/Intra Oral Tips)

Mixing/Intra Oral Tips for Core-X™ flow

ReOrder 606.20.116 (40 pcs.)



Mixing Pad

ReOrder 611.05.990 (12 pcs.)

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