

# Q CORE Syringable™

NANOFILL COMPOSITE CORE BUILD UP MATERIAL

ASSEMBLY INSTRUCTIONS FOR AUTOMIX SYRINGE



EN

**IMPORTANT NOTICE:** Bleed the syringe before installation of the automix dispensing tip.

- 1.** Remove cap by turning 90° counter-clockwise and pulling.



- 2.** Bleed the syringe before installation of the automix dispensing tip.



- 3.** Place the mixing tip onto the syringe by aligning the notch on the tip hub with the corresponding notch on the syringe. Turn the mixing tip 90° until it locks into position.



- 4.** Put on the intraoral-tip.



- 5.** After use, remove and discard mixing tip and replace cap.



**Note:** The automix syringe is designed to prevent material pull-back and cross-contamination of base and catalyst. The syringe plunger disengages as a safety feature.



# Q CORE Syringable™

NANOFILL COMPOSITE CORE BUILD UP MATERIAL

AUTOMIX / DUAL-CURE



Dendritic Nano  
Technology™

EN

Q-Core is a dual-cure, fluoride releasing, resin composite material designed for the fabrication of core build-ups. Q-Core may be used with any Bis-GMA compatible bonding agent.

## PROPERTIES

- Easy to use.
- Provides a consistent, homogeneous mix.
- Dual curing: material can be light cured, additional chemical cure assures that the material can be quickly, bulk filled.
- Dense void-free core: cuts like dentin.
- Fluoride release: strengthens natural tooth structure and helps prevent secondary caries.
- Radiopaque.
- Superior compressive strength for long-lasting restorations.
- Enhanced mechanical properties of conventional Bis-GMA composite by utilization of Intercalated and Exfoliated nanocomposite technology

## INSTRUCTIONS FOR USE

1. Prepare the tooth according to clinical requirements.
2. Isolate the tooth from oral fluids. A rubber dam is recommended.
3. Acid etch the entire preparation with a 32%-40% phosphoric acid for 15 seconds or apply Prima Quick Prime and leave undisturbed for 15 seconds.
4. Rinse off etchant with a water spray for at least 15 seconds. Etched enamel should appear frosted. When using Prima Quick Prime, remove solvents with a blast of air for at least 10 seconds.
5. Mix equal drops of Prima 2000 or Prima Quick Bond with the Auto-Cure Activator and place on the prepared tooth surface. When using another manufacturer's bonding agent, follow instructions for use with dual-cure composites.
6. Allow mixture to sit for 15 seconds and then remove residual solvents with a gentle blast of oil-free air. Repeat application of Prima 2000/ Prima Quick Bond mixture at least once on the prepared cavo tooth surface. It is not necessary to wait 15 seconds between each additional application, however, solvent evaporation is necessary between applications. Light-cure for 20 seconds after final application of bonding agent is placed.

7. Place into base of prepared tooth an adequate amount of Q-Core to complete build-up.
8. Do not disturb Q-Core during the gelation stage. Light-cure for at least 40 seconds. Check for complete hardness. Chemical-cure intraoral set-time is approximately three minutes from start of mix/application. Set time will be longer outside of mouth.

## TECHNICAL DATA

Working Time:	1:30 minute
Setting Time:	4:30 minute
Compressive strength:	250 MPa
Diametral tensile strength:	40 MPa
Flexural strength:	200 MPa
Water sorption:	14 µg/mm <sup>3</sup>
Solubility:	2 µg/mm
Linear Shrinkage:	1.2 %
Radiopacity:	400 %Al
Compatible with halogen light:	Yes
Compatible with plasma arc light:	Yes
Compatible with LED:	Yes

## CAUTION!

Q-Core contains polymerisable monomers which may cause allergic contact dermatitis in susceptible patients. Wash thoroughly with soap and water after contact. If skin sensitization occurs, or if known allergy to methacrylate resin exists, discontinue use.

## PRECAUTIONS IN USE

- Do not use in presence of eugenol based materials; complete setting of Q-Core may not take place.
- A calcium hydroxide or glass ionomer liner may be used to isolate Q-Core from eugenol sources.
- If refrigerated, allow to return to room temperature before use. Refrigeration will increase viscosity, making application more difficult, and will retard setting time.

## ESSENTIAL INGREDIENTS

### Base & Caltyst:

- Triethyleneglycoldimethacrylate.
- Multifunctional monomers.
- Polymerization activatos.
- Photoinitiators.
- Glass filler.
- Fumed Silica.

### STORAGE

- Do not store above 24°C (75°F).
- Keep away from direct sunlight.
- For optimum freshness, keep refrigerated.
- Do not freeze.
- If refrigerated, allow the syringe to reach room temperature .
- To obtain SDS visit [www.bjmlabs.com](http://www.bjmlabs.com).
- Do not use after expiration date. See expiry date on the label.
- Shelf life is 2 years after the date of manufacturing.

**BJM LAB**