If Drilling & Screw Insertion is not required the wound can be closed anytime after 10 minutes.

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Mixing Guide

**MIX**
- Combine powder and liquid in mixer
- Start Timer

**WAIT**
- Stop Mixing
- Lock Plunger
- Preparation before mixing:
  - Control bleeding and ensure a dry field.
  - Consider using a tourniquet.
  - Ensure good contact with living bone.
  - Ensure the scrub nurse has the correct needle/cannula, minimum 16G, plus one extra.

**INJECT**
- Begin injecting CERAMENT™
- CERAMENT™ becomes viscous during this time, and will achieve optimum injectability at 3 minutes.
- If molding, squirt into bead mold or tray between minute 3 and 5
- Do not manipulate or touch unnecessarily
- Inject extra paste onto the sterile plastic packaging, so it can be molded later if needed, i.e. for a plug.

**WAIT**
- Empty all product from syringe
- If molding, squirt into bead mold or tray between minute 3 and 5

**INITIATE MOLDING**
- Molding can be initiated between minute 7 and 9
- If paste is too runny, test again in 30 seconds

**COPY**
- Finish implanting and/or molding CERAMENT™
- Do not touch product until fully cured at minute 15
- May drill or screw into CERAMENT™

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After the paste is in situ, allow to set for a few minutes before any adjustments are done or the wound is closed, especially if bleeding occurs.
CERAMENT™Bone Void Filler

- Injectable¹²
- 40% Hydroxyapatite
- Easy to mix and handle²
- Ready to use sterile system²
- Remodels into bone in 6 to 12 months¹³
- Designed to mimic cancellous bone¹⁴
- Enhanced radiopacity¹
- Not Temperature Sensitive⁵
- Not for load bearing applications²
- Can be drilled²⁶

Some quick Tips:
- Must be in contact with living bone
- In cyst surgeries with a membrane, or in patients with sclerotic or necrotic bone debridement will allow contact with living bone
- CERAMENT™ increases viscosity with time and can be injected between 3 and 5 minutes after the start of mixing
- If the surgical field is wet or bloody wait until 4 minutes before starting to inject, consider a tourniquet
- Iohexol is water soluble and will ‘wash out’ rapidly allowing visualization of the bone remodeling process

References:
2. CERAMENT™Bone Void Filler Instructions For Use (IFU)
3. Nusselt et al ECTES 2013
5. Internal report S057/2010
6. Internal report S053/2013 Drillability of CERAMENT™