

# OsteoRepair™ Calcium Phosphate Cement

## High Strength, Fast Setting Bone Void Filler



### **A Bone Void Filler Indicated for Filling Defects in Cancellous Bone**

OsteoRepair is a next generation calcium phosphate cement with improved strength characteristics and faster setting time, designed to overcome the limitations of first generation calcium phosphate cements.

- Optimized compressive, tensile and flexural strength, plus high fracture toughness
  - Compressive strength 2.5 times stronger than cancellous bone at 72 hours
  - Tensile strength of 6 MPa, among the highest on the market
- Special Fast Set formulation
  - Speeds surgical procedure and helps ensure proper buttressing of cancellous bone
  - Allows for efficiency when drilling and placing screws
- Isothermal setting reaction
  - Prevents thermal tissue damage
- Biocompatible and osteoconductive
  - Converts to HA *in vivo* in 24-72 hours
  - Allows for natural bone remodeling, while still maintaining the strength of cancellous bone

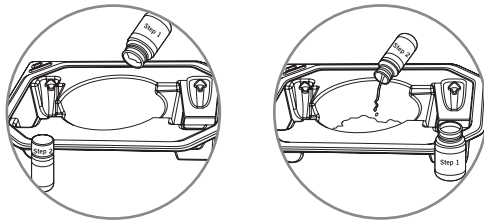
PART#	DESCRIPTION
DB-O-P10CC	OSTEOREPAIR™ PASTE BONE VOID FILLER, 10CC

Each Kit contains: premeasured powder vial, premeasured liquid vial, mixing bowl, pestle, plastic curved spatula

## KEY PRINCIPLES THAT MUST BE FOLLOWED

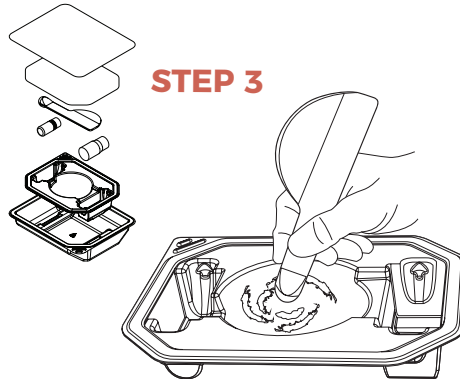
- Prior to use, the product must be at or below 77°F to work properly
- Once the product touches the patient, it needs a warm body temperature (above 90°F) and a wet environment to set properly

### STEP 1 & 2



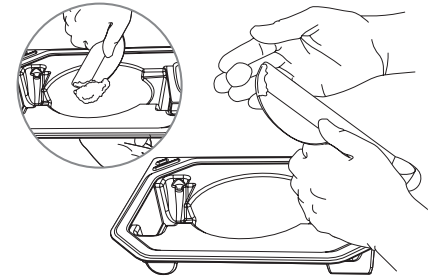
- First, add all of the powder component into the bowl, (tapping the vial with the pestle to ensure contents are removed from the vial)
- Second, add all of the liquid component into the bowl, (tapping the vial with the pestle to ensure contents are removed from the vial)
- Start timer

### STEP 3

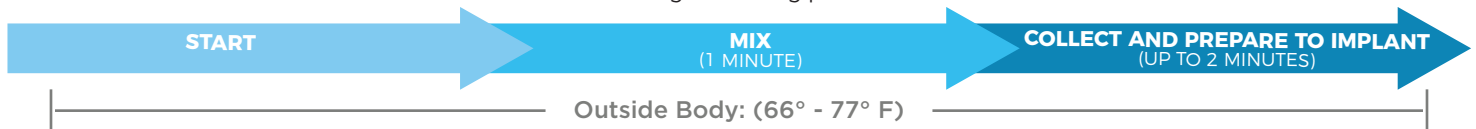


- Quickly mix contents using a vigorous circular motion with the pestle for 1 minute; better mixing creates better handling
- The objective is to completely wet the powder and have an even consistency. Note: Material that collects on the pestle must be reincorporated into the mixing process. This is achieved by rolling the pestle on its own axis, swiping onto the edge, or wiping by finger, and then continuing the mixing process.

### STEP 4



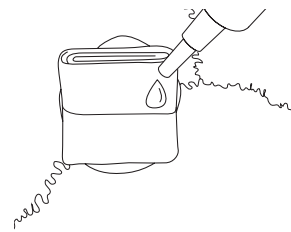
- Using the sterile spatula, gather product into one mass and remove from the bowl
- Product can remain on the spatula or be formed into a ball by hand



### STEP 5

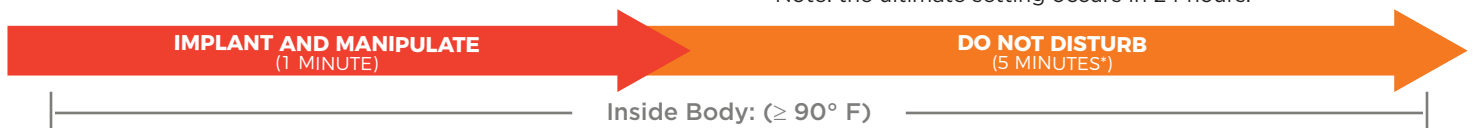
- **Start new timer**
- Implant material either by spatula or by hand
- Use fingers or spatula to mold into desired shape
- You have up to 1 minute to manipulate the product once it touches the defect

### STEP 6



- Allow the product to set
- Cover with gauze or lap sponge and irrigate every 30 seconds with warm saline to allow for proper setting: 98.6°F is ideal
- It is very important not to touch the product while it is setting
- After 5 minutes of setting at 90°F or higher, the product should be properly set for soft tissue closure.

\*Note: the ultimate setting occurs in 24 hours.



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