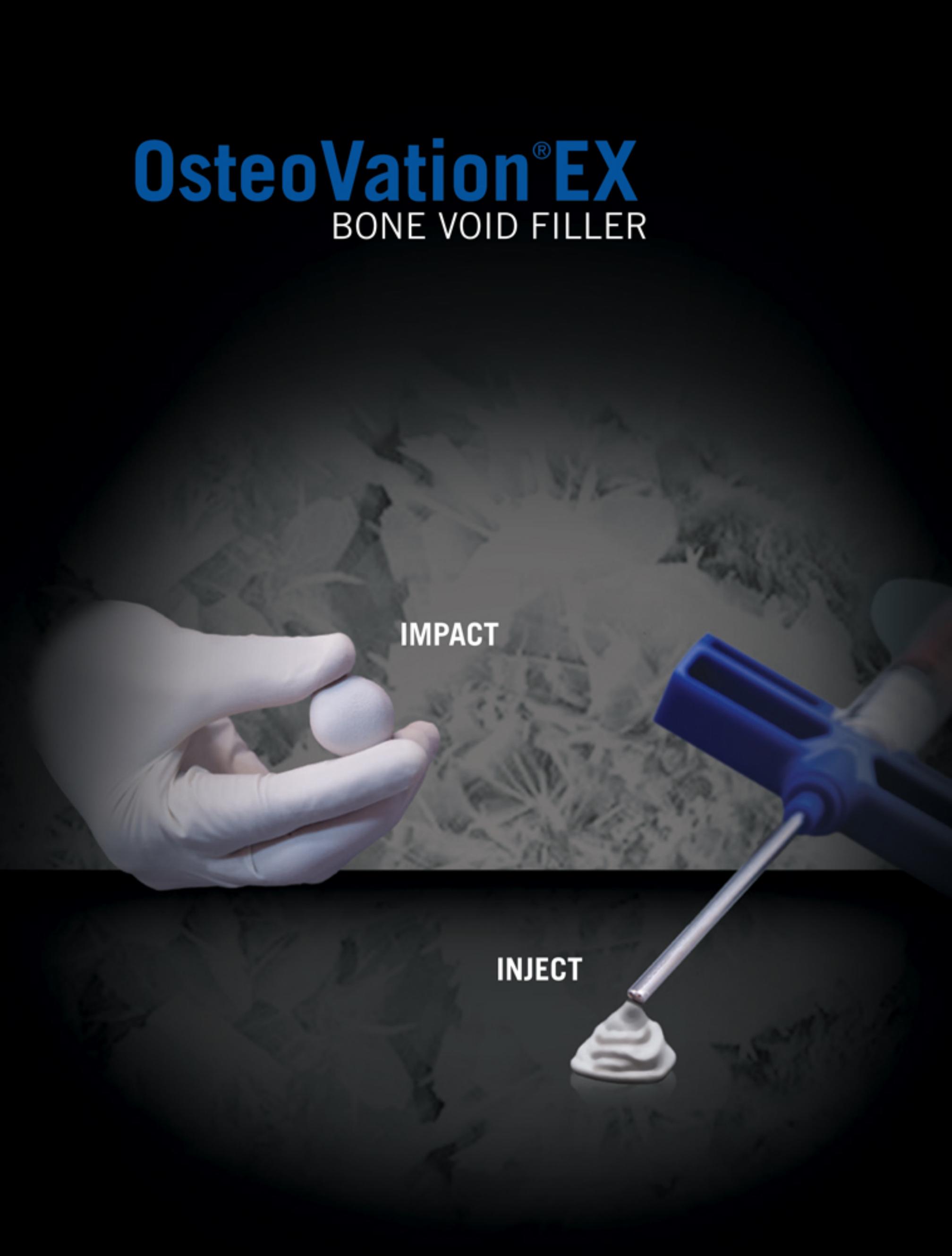


# OsteoVation<sup>®</sup> EX

BONE VOID FILLER

IMPACT

INJECT





**OsteoVationEX** is a calcium phosphate bone void filler that is similar to the mineral phase of bone. The system offers surgeons **superior handling** and **mechanical properties** for multiple bony void and defect applications. **Impact** or **Inject** formulas are available and provide options for traditional open or minimally-invasive surgical procedures. Both formulations are **osteoconductive** and provide a scaffold to enhance the bone during the healing process.

## **Key Indications**

**Proximal Humerus Fractures**  
**Backfill After Bone Grafting**  
**Distal Radius Fractures**  
**Bone Tumors and Cysts**  
**Tibial Plateau Fractures**  
**Calcaneus Fractures**  
**Hardware Removal**

Proven. Reliable.

# OsteoVationEX

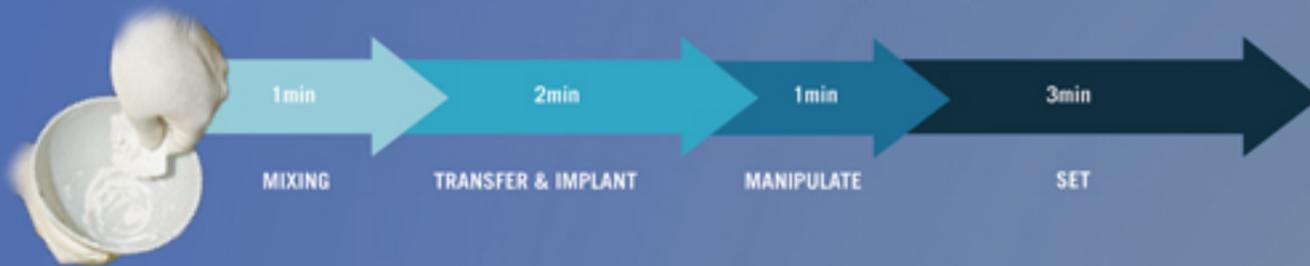
1) \*Yetkinler, D N., D Delaney, and B R. Constantz. "In Vitro and In Vivo Evaluation of Two Calcium Phosphate Cements." 50th Annual Meeting of the Orthopaedic Reserch Society.

2) S. Jalota, D. C. Delaney and D.N. Yetkinler, "In vivo assessment of Callos/OsteoVation calcium phosphate cement containing autologous bone," Annual Meeting, Society for Biomaterials, April 21 - 25, 2010, Seattle, WA.

# Handling

OsteoVationEX offers different formulations to accommodate traditional open or minimally-invasive surgical procedures. The handling characteristics differ and are dependent upon the selected formulation.

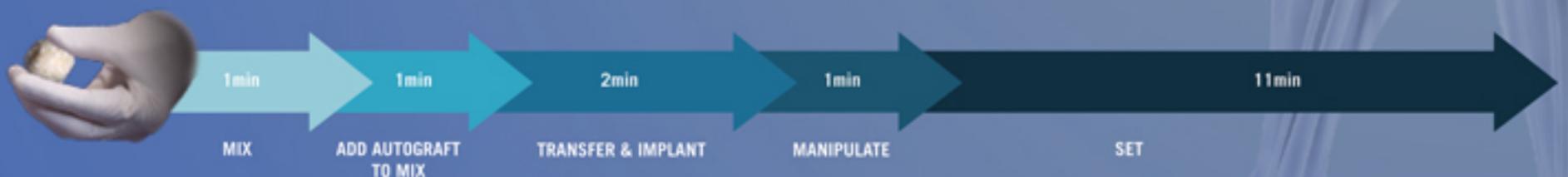
## Impact Formulation



## Inject Formulation



## Autograft Extender (Impact Formulation Only)



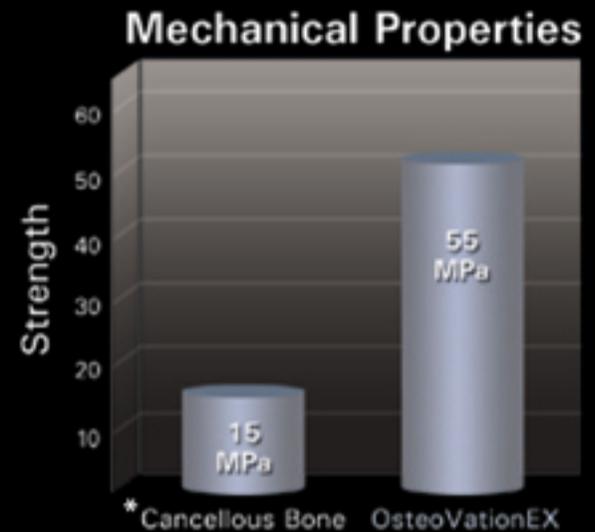
# Advantages

## Fast-Setting Isothermic Formulation

OsteoVationEX is designed to set quickly once implanted in a wet environment at the patient's normal body temperature. OsteoVationEX is also isothermic and does not damage adjacent tissue as it sets.

## Superior Mechanical Properties

The compressive strength of OsteoVationEX is higher than cancellous bone.<sup>1</sup> The tensile properties are similar to natural bone.

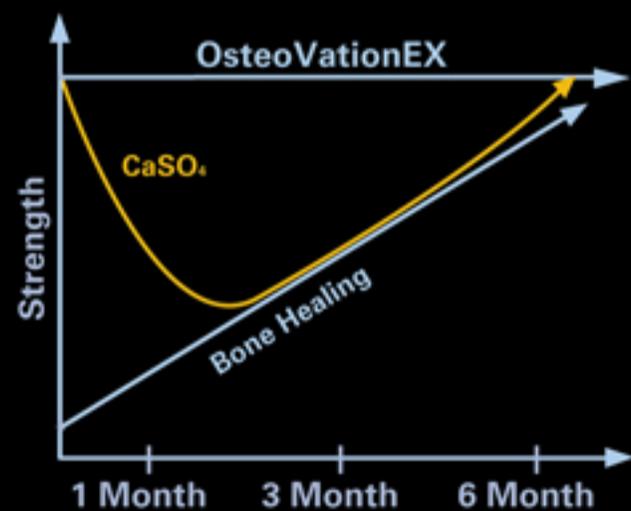


## Autograft Extender

The advanced OsteoVationEX Impact formulation can also be used as an autograft extender. The formulation can be combined with up to 50% by weight of morselized cancellous bone. This feature adds significant volume to fill bony voids and also incorporates osteoinductive and osteogenic properties.<sup>2</sup>

## Cell-Mediated Remodeling

Unlike calcium sulphate which is quickly resorbed by the body, OsteoVationEX allows for cell-mediated remodeling which helps maintain the strength of the surgical site.<sup>1</sup>



## Hardware Compatible

OsteoVationEX can accommodate the placement of hardware. The ability to fixate fractures after OsteoVationEX has set allows the surgeon to follow standard internal fixation guidelines.



## Complimentary products



**hps**  
hand plating system



**fps**  
foot plating system



**ExtremiFix**  
Cannulated Screw System



**Large Cannulated Screws**



*Rethinking Possibilities, Reshaping Lives*

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