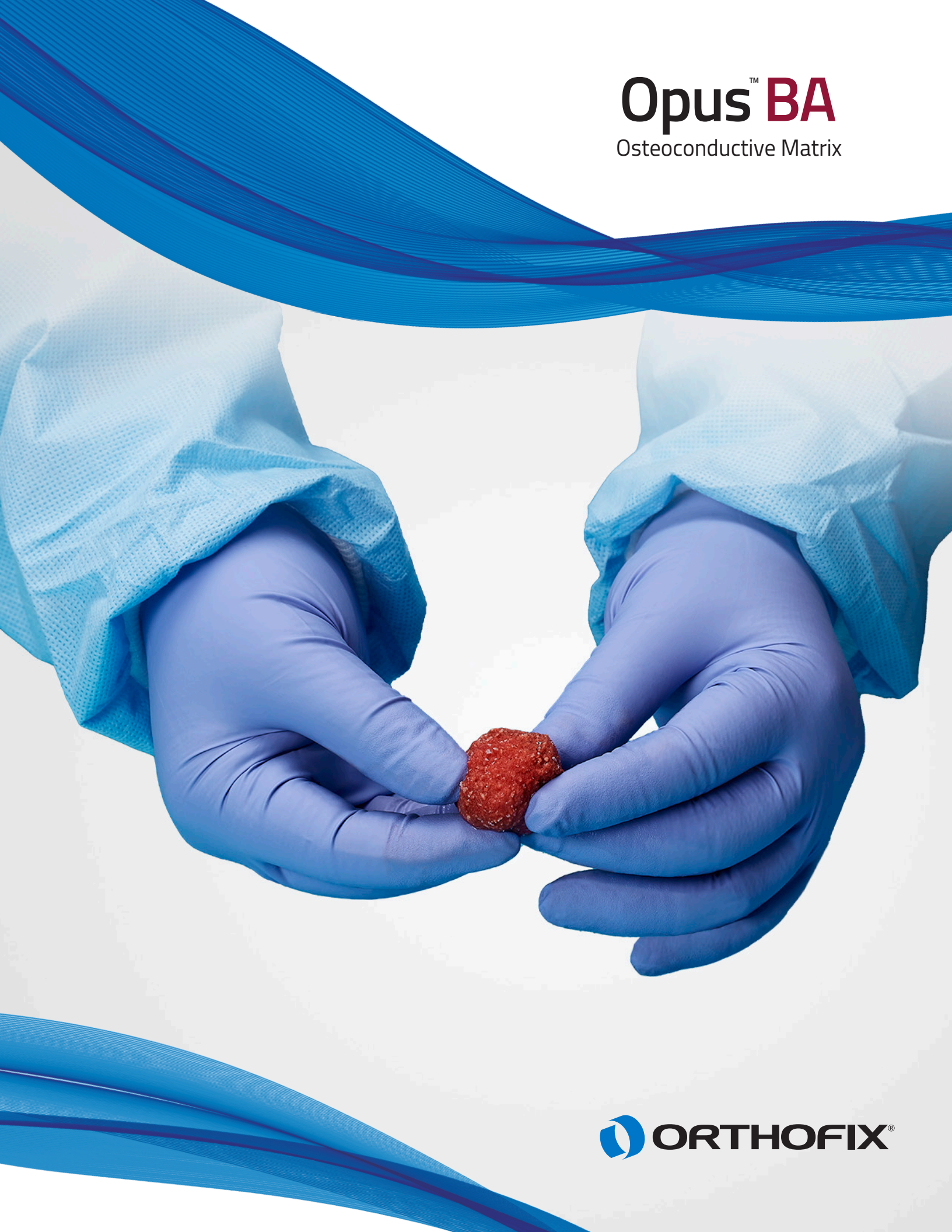


# Opus™ BA

Osteoconductive Matrix

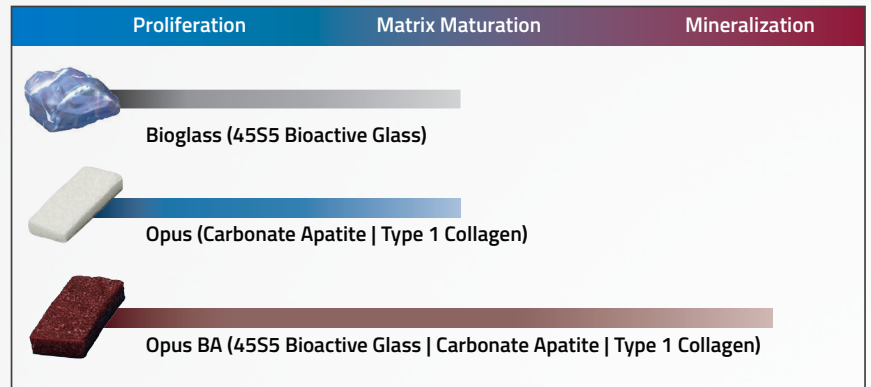




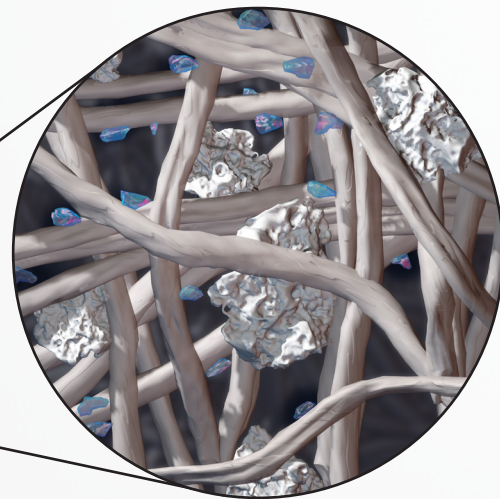
# Opus™ BA

Osteoconductive Matrix

Opus™ BA is a synthetic bioactive solution that is easily hydrated and flexible. A carefully selected trifecta of components creates an ideal environment for bone growth building on the earlier generations of synthetic bone grafts.

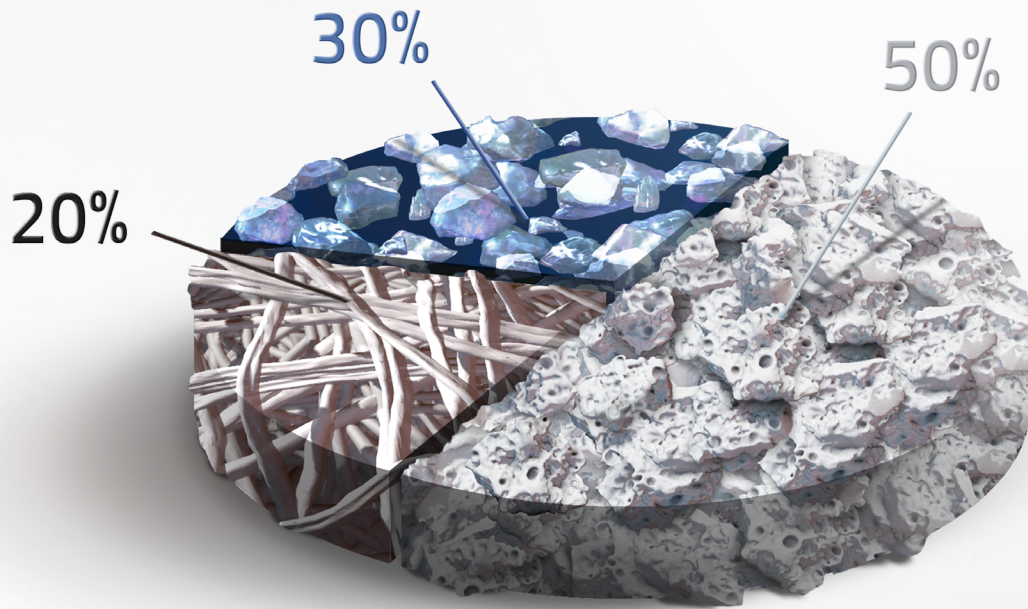


Bioglass and Opus drive osteoblasts to maturation. Opus BA drives beyond maturation and induces osteoblasts to mineralization.<sup>1</sup>



Opus BA undergoes a proprietary process to ensure the osteoconductive matrix has uniform distribution, mimicking the structure and porosity of cancellous bone.<sup>2</sup>

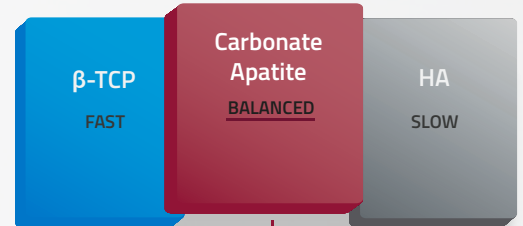
# A Carefully Selected Trifecta



## Carbonate Apatite Bone Mineral | 50%

- Higher osteoclastic and osteoblastic activity than  $\beta$ -TCP & HA<sup>3</sup>
- Resorption & remodeling similar to human bone<sup>4,5</sup>
- More calcium phosphate deposition than  $\beta$ -TCP<sup>6</sup>

### Resorption Profile



Optimal Resorption & Remodeling



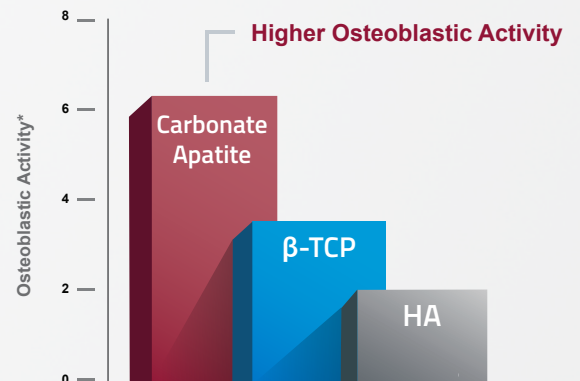
## 4555 Bioactive Glass | 30%

- Ideal particle range and size (100-300 $\mu$ m)<sup>7,8,9</sup>
  - Controlled rate of ion dissolution & surface reactivity
  - Optimal resorption rate
- Ability to stimulate the growth and osteogenic differentiation of osteoblasts<sup>10</sup>



## Type 1 Collagen | 20%

- 100% resorbable<sup>11</sup>
- Intrinsic hemostatic properties control minor bleeding<sup>11,12</sup>
- Binds proteins and cells and retains biological factors<sup>13</sup>



\* Relative mRNA levels of RANKL/GADPH

# Opus BA Putty

71410102	Putty	2.5cc
71410205	Putty	5cc
71410307	Putty	7cc
71410314	Putty	14cc

# Opus BA Strip

71420305	Strip (3.2x2x0.8cm)	5cc
71420610	Strip (6.25x2x0.8cm)	10cc
71421220	Strip (12.5x2x0.8cm)	20cc
71422540	Strip (25x2x0.8cm)	40cc

# Bone Marrow Aspiration Needle

21-5000	8 guage
21-5011	11 guage

Please visit [Orthofix.com/IFU](http://Orthofix.com/IFU) for full information on indications for use, contraindications, warnings, precautions, adverse reactions information and sterilization.

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