

**SYNTHETIC  
RESORBABLE  
BONE GRAFT  
SUBSTITUTES**

# IXOBONE®

HA/TCP  
PASTE  
PUTTY

**Veterinary Bone Graft Substitutes**

BIOMIMETIC | READY TO USE | EXCELLENT HANDLING



**VET**

 **exabone**  
The Swiss Bone Architect

# IXOBONE® HA/TCP

## Engineered biomimetic architecture

IXOBONE HA/TCP is a next generation synthetic biphasic biomaterial with optimised characteristics, matching the internal structure of healthy animal cancellous bone.

## Advanced manufacturing technology leads to unique specifications

Ideal porosity to strength ratio supports osteoconduction, providing excellent surgical outcomes. Optimised handling with high integral strength and structural cohesion.

**Strength:** 5.5 to 7.5 MPa

**Porosity:** 81%




**Pore Size:** 200 to 800 um

**Microporosity:** 1-10 um



Granules/Discs/Blocks/Wedges

## IXOBONE® HA/TCP product range

DISCS 	BLOCKS 	WEDGES $W \times L \times H^1 \times H^2$ 		GRANULES (1-4mm)
<b>V06050005</b> D=5mm H=5mm	<b>V04050510</b> 5mm x 5mm x 10mm	<b>V07000101</b> 15 x 20 x 6 x 4	<b>V07000401</b> 30 x 30 x 6 x 3	<b>V01000025</b> 2.5cc
<b>V06050010</b> D=5mm H=10mm	<b>V04050520</b> 5mm x 5mm x 20mm	<b>V07000102</b> 15 x 20 x 8 x 6	<b>V07000402</b> 30 x 30 x 8 x 4	<b>V01000050</b> 5cc
<b>V06060015</b> D=6mm H=15mm	<b>V04051010</b> 5mm x 10mm x 10mm	<b>V07000103</b> 15 x 20 x 10 x 8	<b>V07000403</b> 30 x 30 x 10 x 5	<b>V01000100</b> 10cc
<b>V06070015</b> D=7mm H=15mm	<b>V04051020</b> 5mm x 10mm x 20mm	<b>V07000104</b> 15 x 20 x 12 x 9	<b>V07000404</b> 30 x 30 x 12 x 6	<b>V01000150</b> 15cc
<b>V06090025</b> D=9mm H=25mm	<b>V04051030</b> 5mm x 10mm x 30mm	<b>V07000105</b> 15 x 20 x 14 x 10	<b>V07000405</b> 30 x 30 x 14 x 7	<b>V01000200</b> 20cc
<b>V06100005</b> D=10mm H=5mm	<b>V04051040</b> 5mm x 10mm x 40mm	<b>V07000201</b> 20 x 20 x 10 x 5	<b>V07000501</b> 30 x 35 x 8 x 4	<b>V01000250</b> 25cc
<b>V06100010</b> D=10mm H=10mm	<b>V04052020</b> 5mm x 20mm x 20mm	<b>V07000202</b> 20 x 20 x 12 x 6	<b>V07000502</b> 30 x 35 x 10 x 5	<b>V01000300</b> 30cc
<b>V06100015</b> D=10mm H=15mm	<b>V04101010</b> 10mm x 10mm x 10mm	<b>V07000203</b> 20 x 20 x 14 x 7	<b>V07000503</b> 30 x 35 x 12 x 6	
<b>V06150005</b> D=15mm H=5mm	<b>V04101020</b> 10mm x 10mm x 20mm	<b>V07000204</b> 20 x 20 x 16 x 8	<b>V07000504</b> 30 x 35 x 14 x 7	
<b>V06150010</b> D=15mm H=10mm	<b>V04101030</b> 10mm x 10mm x 30mm	<b>V07000301</b> 20 x 25 x 6 x 3	<b>V07000601</b> 35 x 15 x 8 x 6	
<b>V06150015</b> D=15mm H=15mm	<b>V04101040</b> 10mm x 10mm x 40mm	<b>V07000302</b> 20 x 25 x 8 x 4	<b>V07000602</b> 35 x 15 x 10 x 8	
<b>V06150020</b> D=15mm H=20mm	<b>V04102020</b> 10mm x 20mm x 20mm	<b>V07000303</b> 20 x 25 x 10 x 5	<b>V07000603</b> 35 x 15 x 12 x 9	
<b>V06200005</b> D=20mm H=5mm	<b>V04102030</b> 10mm x 20mm x 30mm	<b>V07000304</b> 20 x 25 x 12 x 6	<b>V07000604</b> 35 x 15 x 14 x 10	
<b>V06200010</b> D=20mm H=10mm	<b>V04102040</b> 10mm x 20mm x 40mm	<b>V07000305</b> 20 x 25 x 14 x 7		
<b>V06200015</b> D=20mm H=15mm	<b>V04103030</b> 10mm x 30mm x 30mm			
<b>V06200020</b> D=20mm H=20mm	<b>V04202020</b> 20mm x 20mm x 20mm			

IXOBONE HA/TCP product range is gamma sterilized and ready to use, with a shelf life of five years. Other sizes and smaller granules are available upon request.

# IXOBONE<sup>®</sup> PASTE/PUTTY

## Nanostructured biomimetic materials

Optimized composition of the IXOBONE PASTE allows complete and easy filling of defects, assuring superior contact at the implant interface. The addition of HA/TCP granules in the IXOBONE PUTTY provides longer term support.

The nano HA constituent has a surface area that is 50 to 100 times greater than traditional synthetic bone grafts and encourages rapid vascularization and integration. The biphasic granule component of the IXOBONE PUTTY is fully interconnected and provides longer term support during bone formation and remodeling phases.

## Advanced technology leads to unique specifications

Optimised sticky viscosity allows for complete and easy filling of the defects, and will resist irrigation.

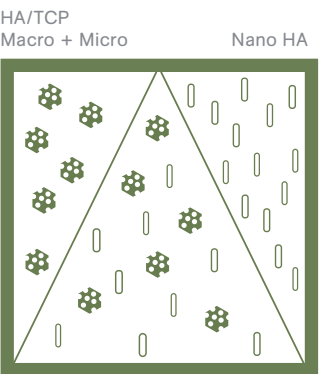
### IXOBONE PUTTY 3 phase composite

Nano HA attracts the biomolecules essential for the recruitment of cells.

**Micro** homogeneous porosity and surface roughness aids cell attachment and nutrient transfer.

**Macro** structured biphasic component supports ingrowth of bone and the regeneration process.

Highly moldable



Putty 3 Phase Composite

## IXOBONE<sup>®</sup> PASTE product range

PASTE
V08000005 0.5cc
V08000010 1cc
V08000020 2cc
V08000025 2.5cc
V08000050 5cc

IXOBONE PASTE product range is gamma sterilized and ready to use, with a shelf life of three years.

## IXOBONE<sup>®</sup> PUTTY product range

PUTTY
V11000005 0.5cc
V11000010 1cc
V11000020 2cc
V11000025 2.5cc
V11000050 5cc

IXOBONE PUTTY product range is gamma sterilized and ready to use, with a shelf life of three years.



PUTTY & PASTE applicator supplied with a long cannula, a short cannula and a pusher

IXOBONE range is designed for use in a broad range of non load bearing osseous defects. Indications include fracture repair, non-unions, and also tibial tuberosity advancement (within cages).

Exabone GmbH is a Swiss based biotechnology leader that develops, manufactures and distributes innovative biomaterials across the globe.

Exabone GmbH operates a certified ISO 13485 quality management system and all Exabone GmbH products for human use are CE marked under the MDR.

Capitalising on over 30 years experience in global markets our products are innovative, easy to use and proven the world over.




IXOBONE is the veterinary division and a registered trademark of Exabone GmbH.

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