

**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 $W \times L \times H^2$  | GRANULES (1-4mm) | |
|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------|
| V06050005 D=5mm H=5mm | V04051010 5mm x 10mm x 10mm | V07000101 15 x 20 x 6 x 4 | V07000401 30 x 30 x 6 x 3 | V01000025 2.5cc |
| V06050010 D=5mm H=10mm | V04051020 5mm x 10mm x 20mm | V07000102 15 x 20 x 8 x 6 | V07000402 30 x 30 x 8 x 4 | V01000050 5cc |
| V06060015 D=6mm H=15mm | V04051030 5mm x 10mm x 30mm | V07000103 15 x 20 x 10 x 8 | V07000403 30 x 30 x 10 x 5 | V01000100 10cc |
| V06070015 D=7mm H=15mm | V04051040 5mm x 10mm x 40mm | V07000104 15 x 20 x 12 x 9 | V07000404 30 x 30 x 12 x 6 | V01000150 15cc |
| V06090025 D=9mm H=25mm | V04101010 10mm x 10mm x 10mm | V07000105 15 x 20 x 14 x 10 | V07000405 30 x 30 x 14 x 7 | V01000200 20cc |
| V06100005 D=10mm H=5mm | V04101020 10mm x 10mm x 20mm | V07000201 20 x 20 x 10 x 5 | V07000501 30 x 35 x 8 x 4 | V01000250 25cc |
| V06100010 D=10mm H=10mm | V04101030 10mm x 10mm x 30mm | V07000202 20 x 20 x 12 x 6 | V07000502 30 x 35 x 10 x 5 | V01000300 30cc |
| V06100015 D=10mm H=15mm | V04101040 10mm x 10mm x 40mm | V07000203 20 x 20 x 14 x 7 | V07000503 30 x 35 x 12 x 6 | |
| V06150005 D=15mm H=5mm | V04102020 10mm x 20mm x 20mm | V07000204 20 x 20 x 16 x 8 | V07000504 30 x 35 x 14 x 7 | |
| V06150010 D=15mm H=10mm | V04102030 10mm x 20mm x 30mm | V07000301 20 x 25 x 6 x 3 | V07000601 35 x 15 x 8 x 6 | |
| V06150015 D=15mm H=15mm | V04102040 10mm x 20mm x 40mm | V07000302 20 x 25 x 8 x 4 | V07000602 35 x 15 x 10 x 8 | |
| V06150020 D=15mm H=20mm | V04103030 10mm x 30mm x 30mm | V07000303 20 x 25 x 10 x 5 | V07000603 35 x 15 x 12 x 9 | |
| V06200005 D=20mm H=5mm | V04202020 20mm x 20mm x 20mm | V07000304 20 x 25 x 12 x 6 | V07000604 35 x 15 x 14 x 10 | |
| V06200010 D=20mm H=10mm | V05041045 (3 pack) 4mm x 10mm x 45mm | V07000305 20 x 25 x 14 x 7 | | |
| V06200015 D=20mm H=15mm | | | | |
| V06200020 D=20mm H=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[®] 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.

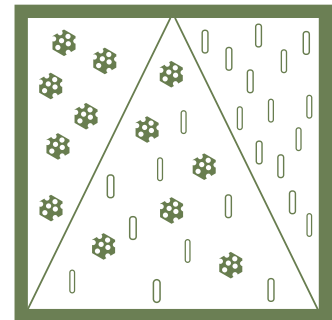
Micro homogeneous porosity and surface roughness aids cell attachment and nutrient transfer.

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

Highly moldable



HA/TCP
Macro + Micro Nano HA



Putty 3 Phase Composite

IXOBONE[®] PASTE product range

| PASTE |
|---------------------------------------------|
| V08000005 0.5cc |
| V08000010 1cc |
| V08000020 2cc |
| V08000025 2.5cc |
| V08000050 5cc |
| V09000050 10cc (multipack 2 x 5cc units) |
| V10000050 15cc (multipack 3 x 5cc units) |

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

IXOBONE[®] PUTTY product range

| PUTTY |
|---------------------------------------------|
| V11000005 0.5cc |
| V11000010 1cc |
| V11000020 2cc |
| V11000025 2.5cc |
| V11000050 5cc |
| V12000050 10cc (multipack 2 x 5cc units) |
| V13000050 15cc (multipack 3 x 5cc units) |

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



PUTTY & PASTE applicator

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 are CE marked.

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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