EXABONE®
HA/TCP

Bone Graft Substitute

BIOMIMETIC | POROSITY | STRENGTH | COHESION

exabone

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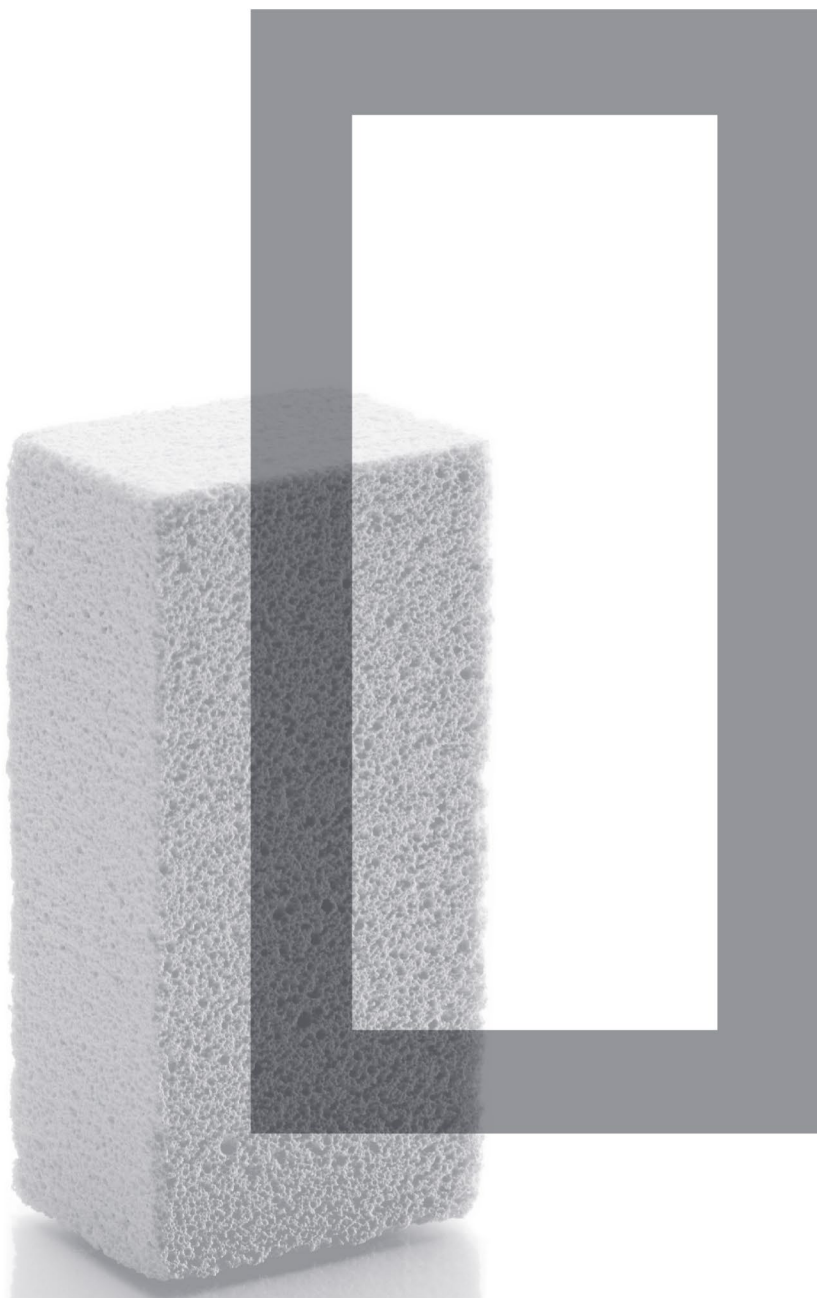
Exabone GmbH is a Swiss based biotechnology leader that develops, manufactures and distributes innovative biomaterials across the globe.

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

Engineered biomimetic architecture

EXABONE HA/TCP is an advanced synthetic biphasic biomaterial with optimised characteristics, matching the internal structure of healthy human cancellous bone.

Advanced manufacturing technology leads to unique specifications

An ideal porosity to strength ratio for optimised handling with high integral strength and structural cohesion.

BIOMIMETIC

POROSITY

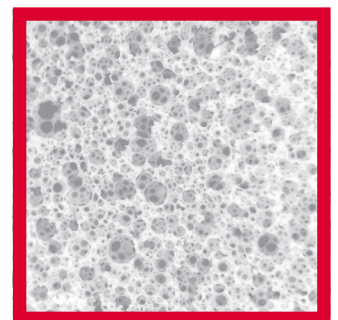### STRENGTH

COHESION

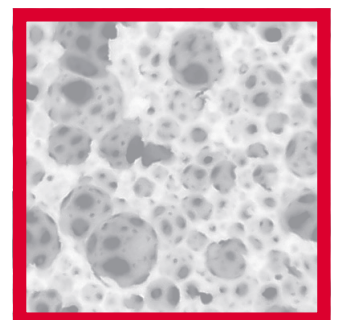**Strength:** 5.5 to 7.5 MPa
Porosity: 81%
Pore Size: 200 to 800 um

Can be shaped to fit the defect

Highly porous structure

Completely interconnected

Reliability & consistent performance

The full porosity (interconnection & microporosity) combined with its elegant trabecular architecture favours rapid and homogeneous fluid absorption.

EXABONE HA/TCP internal structure and biphasic composition creates a highly osteoconductive environment supporting bone regeneration with a controlled resorption.

The healing process starts by rapid osteoconduction from the viable bone at the implant interface filling all the available pore spaces. The bone matures to woven bone and consolidates followed by implant resorption.

Efficacy of HA/TCP biphasic bone substitute biomaterial is supported by a long clinical history, thousands of related publications and published clinical studies.

Intended use

EXABONE HA/TCP is a synthetic bone substitute intended to fill traumatically or surgically created bone defects that are not intrinsic to the stability of the bony structure.
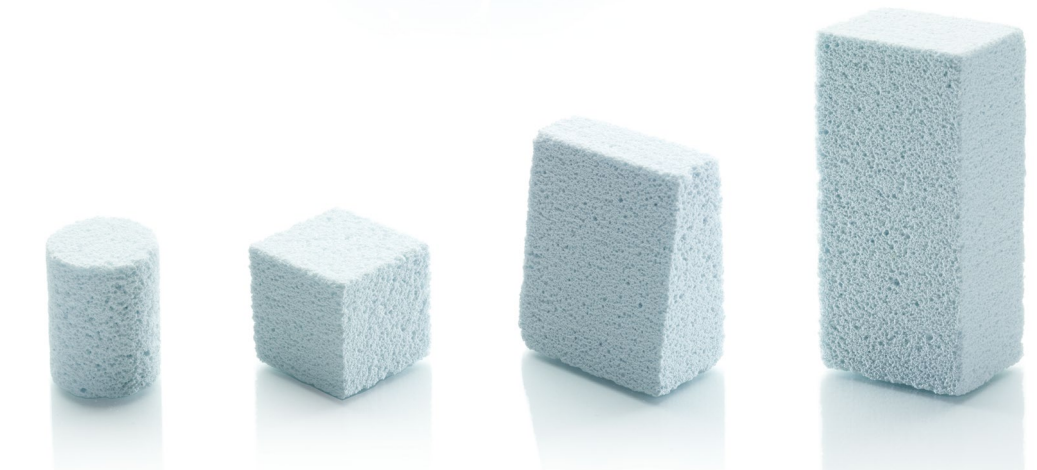
Indications

EXABONE HA/TCP is indicated for treating defects of the long bones and extremities.

EXABONE HA/TCP granules may also be used in spine surgery (spondylodesis).

EXABONE HA/TCP can be soaked with blood and/or combined with autologous bone prior to application.

Granules

Discs/Blocks/Wedges

A full range ready to use

Available in a variety of shapes and sizes adapted to a wide range of surgical indications in unlimited quantities.

EXABONE HA/TCP is gamma sterilized and ready to use, with a shelf life of five years.

EXABONE® HA/TCP product range

DISCS	BLOCKS	WEDGES WXLXH^{1}XH^2		GRANULES (1–4mm)
06050005 D=5mm H=5mm	04050510 5mm x 5mm x 10mm	07000101 15 x 20 x 6 x 4	07000401 30 x 30 x 6 x 3	01000025 2.5cc
06050010 D=5mm H=10mm	04050520 5mm x 5mm x 20mm	07000102 15 x 20 x 8 x 6	07000402 30 x 30 x 8 x 4	01000050 5cc
06060015 D=6mm H=15mm	04051010 5mm x 10mm x 10mm	07000103 15 x 20 x 10 x 8	07000403 30 x 30 x 10 x 5	01000100 10cc
06070015 D=7mm H=15mm	04051020 5mm x 10mm x 20mm	07000104 15 x 20 x 12 x 9	07000404 30 x 30 x 12 x 6	01000150 15cc
06090025 D=9mm H=25mm	04051030 5mm x 10mm x 30mm	07000105 15 x 20 x 14 x 10	07000405 30 x 30 x 14 x 7	01000200 20cc
06100005 D=10mm H=5mm	04051040 5mm x 10mm x 40mm	07000201 20 x 20 x 10 x 5	07000501 30 x 35 x 8 x 4	01000250 25cc
06100010 D=10mm H=10mm	04052020 5mm x 20mm x 20mm	07000202 20 x 20 x 12 x 6	07000502 30 x 35 x 10 x 5	01000300 30cc
06100015 D=10mm H=15mm	04101010 10mm x 10mm x 10mm	07000203 20 x 20 x 14 x 7	07000503 30 x 35 x 12 x 6	
06150005 D=15mm H=5mm	04101020 10mm x 10mm x 20mm	07000204 20 x 20 x 16 x 8	07000504 30 x 35 x 14 x 7	
06150010 D=15mm H=10mm	04101030 10mm x 10mm x 30mm	07000301 20 x 25 x 6 x 3	07000601 35 x 15 x 8 x 6	
06150015 D=15mm H=15mm	04101040 10mm x 10mm x 40mm	07000302 20 x 25 x 8 x 4	07000602 35 x 15 x 10 x 8	
06150020 D=15mm H=20mm	04102020 10mm x 20mm x 20mm	07000303 20 x 25 x 10 x 5	07000603 35 x 15 x 12 x 9	
06200005 D=20mm H=5mm	04102030 10mm x 20mm x 30mm	07000304 20 x 25 x 12 x 6	07000604 35 x 15 x 14 x 10	
06200010 D=20mm H=10mm	04102040 10mm x 20mm x 40mm	07000305 20 x 25 x 14 x 7		
06200015 D=20mm H=15mm	04103030 10mm x 30mm x 30mm			
06200020 D=20mm H=20mm	04202020 20mm x 20mm x 20mm			

EXABONE® HA/TCP

SYNTHETIC RESORBABLE BONE GRAFT SUBSTITUTE

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bsi ISO 13485 Quality Management for Medical Devices CERTIFIED

CE 2797

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