

EXABONE[®]

PUTTY

Bone Graft Substitute

BIOMIMETIC | OSTEOSTIMULATIVE | READY TO USE | EXCELLENT HANDLING



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.

Nano engineered biomimetic composite material

EXABONE PUTTY is a coherent blend of advanced pure synthetic biomaterials.

The EXABONE PUTTY nano hydroxyapatite (HA) constituent has a surface area that is 50 to 100 times greater than traditional synthetic bone graft and supports initial vascularization and integration. The biphasic granule constituent is fully interconnected and provides support during bone formation and remodelling phases.

Optimised combination allows complete and easy filling of defects, assuring excellent contact at the implant interface. The HA/TCP granule component maintains bone volume due to its longer term resorption profile.

Advanced technology leads to unique 3 phase specification

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

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

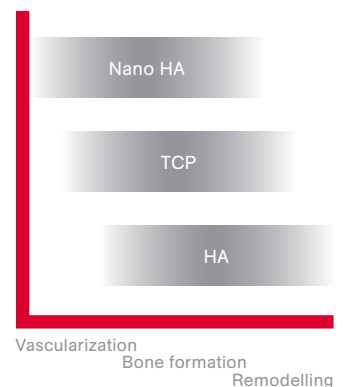
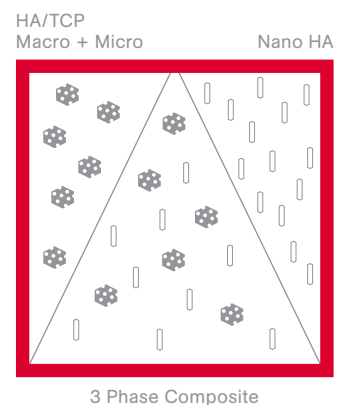
Macro structured biphasic component supports ingrowth of bone and the regeneration process.

BIOMIMETIC

OSTEOSTIMULATIVE*

READY TO USE

EXCELLENT HANDLING



Osteostimulative*

The ultra-high molecular surface area adsorbs the natural bone growth promoters available at the implant site contributing to the osteostimulative effect.

The healing process starts by rapid colonization of the implant due to close contact with the viable bone at the implant interface.

The 3 stage resorption is facilitated by cell-mediated action and supports bone formation throughout the healing process.

Ready to use

Requires no mixing. Pre-loaded in convenient applicators ready for direct placement into the defect (advanced delivery system including a short cannula, a long cannula and an additional pusher). The aqueous based composite is malleable and easily molded by hand as needed.

*Not osteoinductive

Intended use

EXABONE PUTTY is a synthetic bone graft intended to fill traumatically or surgically created bone defects that are not intrinsic to the stability of the bony structure.

Indications

EXABONE PUTTY is indicated for treating defects of the long bones and extremities, and EXABONE PUTTY may also be used for the filling of cages in spinal fusion procedures.

EXABONE PUTTY can be combined with autologous bone prior to application.



PUTTY applicator / with the short cannula / with the long cannula

A full range ready to use

Pre-loaded in convenient applicators ready for direct placement into the defect. Delivered with a short cannula, a long cannula and an additional pusher.

EXABONE PUTTY is gamma sterilized, and has a shelf life of 3 years.


EXABONE® PUTTY product range

PUTTY
11000005 0.5cc
11000010 1cc
11000020 2cc
11000025 2.5cc
11000050 5cc
12000050 10cc (multipack 2 x 5cc units)



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