



CERASORB®-Promise

CERASORB®.

Keeps its words in bone regeneration.



CERASORB® – Always First Choice.

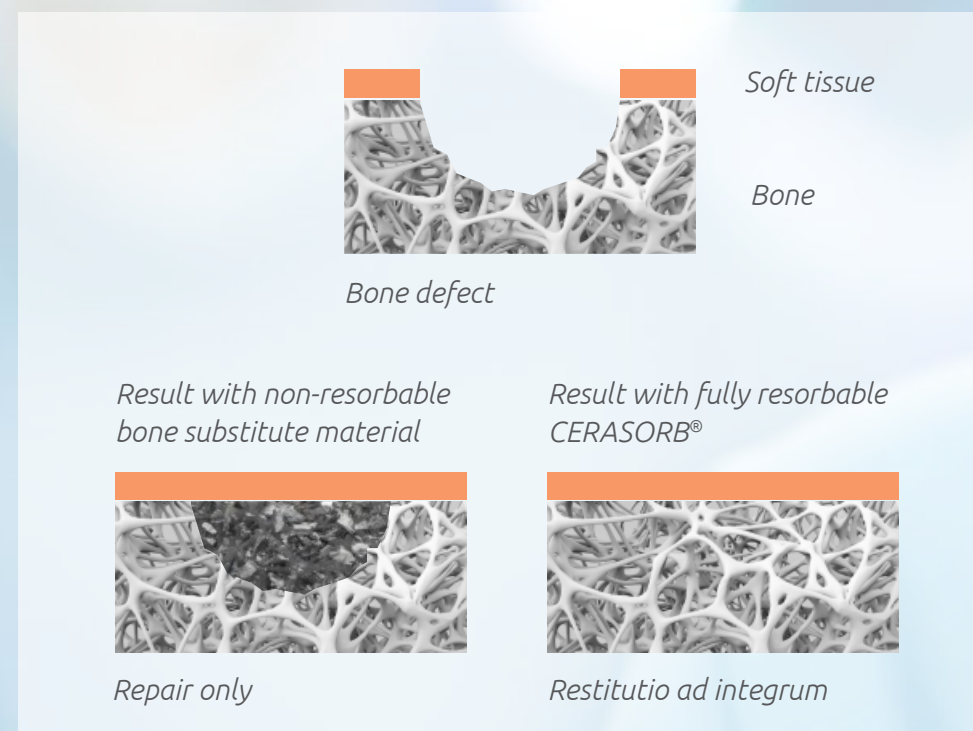
curasan
Regenerative Medicine

+ The ultimate in safe and reliable bone regeneration

CERASORB® is β -TCP – the purest bioceramic material

β -tricalcium phosphate (β -TCP) is a fully resorbable bioceramic material with excellent properties.

One defect – two treatment results



The CERASORB® Promise: Reliability and reproducibility

CERASORB® β -TCP

Phase purity	+ In excess of 99 %
Porosity	+ With 65 % above average
Biocompatibility	+ Very good, no rejection reactions
Resorption	+ Completely + Evenly
Healing process	+ Meets all the requirements for a problem-free, successful healing process

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The CERASORB® Promise

Purity and quality “Made in Germany”

- + Production in Germany
- + FDA-approved products
- + Maximum phase purity as a result of special production processes in state-of-the-art clean rooms
- + Ongoing monitoring of production by officially accredited test laboratories

CERASORB®.
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**+ Supreme quality
you can rely on**

CERASORB® – the best basis
for a positive healing process



CERASORB® – Always First Choice.



+ Maximum satisfaction guaranteed

CERASORB® – tailor-made solutions for a wide range of requirements

The CERASORB® promise: versatility and satisfaction

- + Maximum versatility** thanks to different application forms for different defect sizes
- + Optimum tolerance** for patients thanks to high phase purity
- + > 1.5 million applications** without any material-related medical incidents

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+ Alveolar filling with dual effect

Alveolar preservation
with CERASORB® Foam



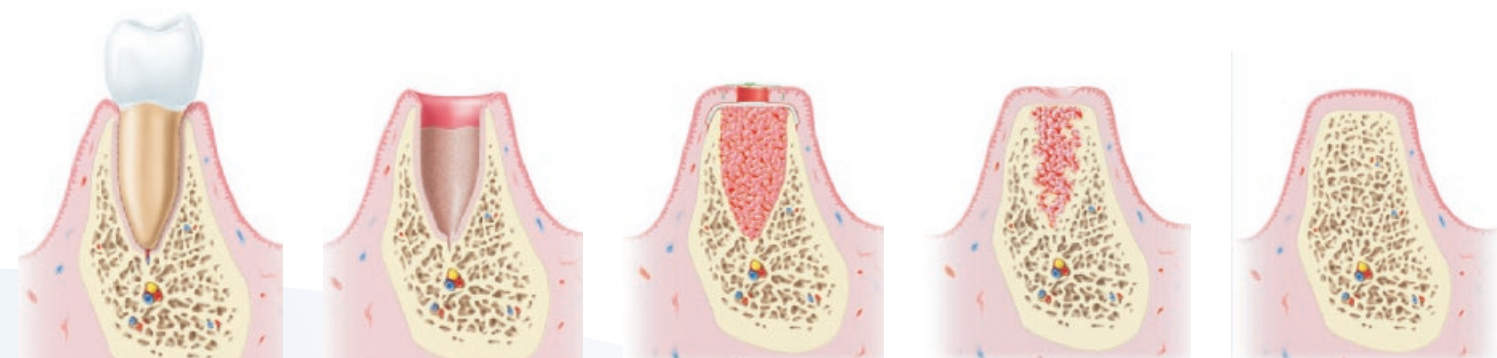
- + Simple handling thanks to effective modelling for defect treatment and comfortable positioning
- + Excellent tolerance, no material-related complications
- + Largely resorbed after 12 months
- + Virtually complete bone consolidation after 12 months



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Natural degradation of the jaw bone following an extraction: In the absence of bone-regenerating measures, 40 - 60 % degradation of the jaw ridge bone occurs in the first two to three years after extraction.



Bone building with CERASORB® Foam: Bone-building cells and blood vessels pervade the material - new, healthy bone forms. The body transforms CERASORB® Foam entirely into bone.

+ Bone cyst operations

Successful application of CERASORB® M in OMS and dentistry



- + Filling of defects after extirpation of bone cysts
- + Augmentation of atrophied alveolar ridge, sinus lifting / sinus base elevation
- + Supporting function for a membrane in the course of controlled tissue regeneration
- + Filling of defects after surgical removal of retained teeth or corrective osteotomies



CERASORB® – Always First Choice.

CERASORB® M consists of 100% synthetic β -TCP, is spongiouse and slowly resorbent. The polygonally fractured granule form in various grain sizes with its open-celled, porous structure and interconnected pores enables swift engraftment of vascularising tissue, supporting complete transformation into endogenous bone.

Example case: Filling of defect after cyst removal*



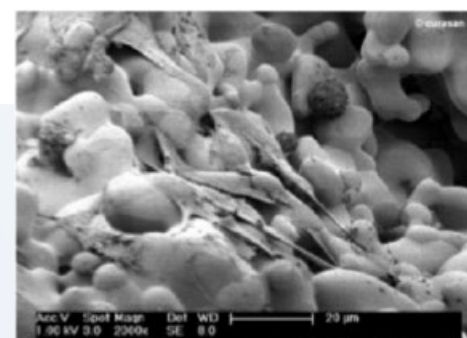
Extirpated cyst



Filling of defect



With wound treatment



Settlement of osteoblasts on CERASORB®

* PD Dr. Dr. Arwed Ludwig, Kassel

+ Parodontal defects with CERASORB® Paste

CERASORB® Paste for immediate implantation



- + Phase-pure β -TCP, mixed with hyaluronic acid and methyl cellulose
- + Paste form ensures reliable application, even in case of small defects and restricted accessibility
- + For filling extraction alveoles, parodontal defects and osseous defects after root end surgery



CERASORB® – Always First Choice.

Hyaluronic acid supports wound healing and regeneration. Recent studies show that this natural substance in the human body promotes differentiation between stem cells and osteoblasts and that it is fully enzymatically degraded. The matrix of the hydrogel structure enables the intake of growth factors, proteins and cells for bone formation, resulting in early vascularisation and good remodelling of bones in a short period of time.

Example case: Filling of a parodontal defect*



Opened and cleaned PA defect



Filling of defect with CERASORB® Paste



Osseous regeneration of the defect. Inflammation-free tissue

* Dr. medic Henriette Lerner, Baden-Baden

+ Maximum flexibility

The CERASORB® family – the choice is yours



Application

CERASORB® M

- + Defect surgery
- + Implantology
- + Sinus base elevation
- + General augmentation

CERASORB® Foam

- + Filling, bridging, reconstruction of bone defects, e.g. alveolar defects
- + Plastic reconstruction of damaged bone regions

CERASORB® Paste

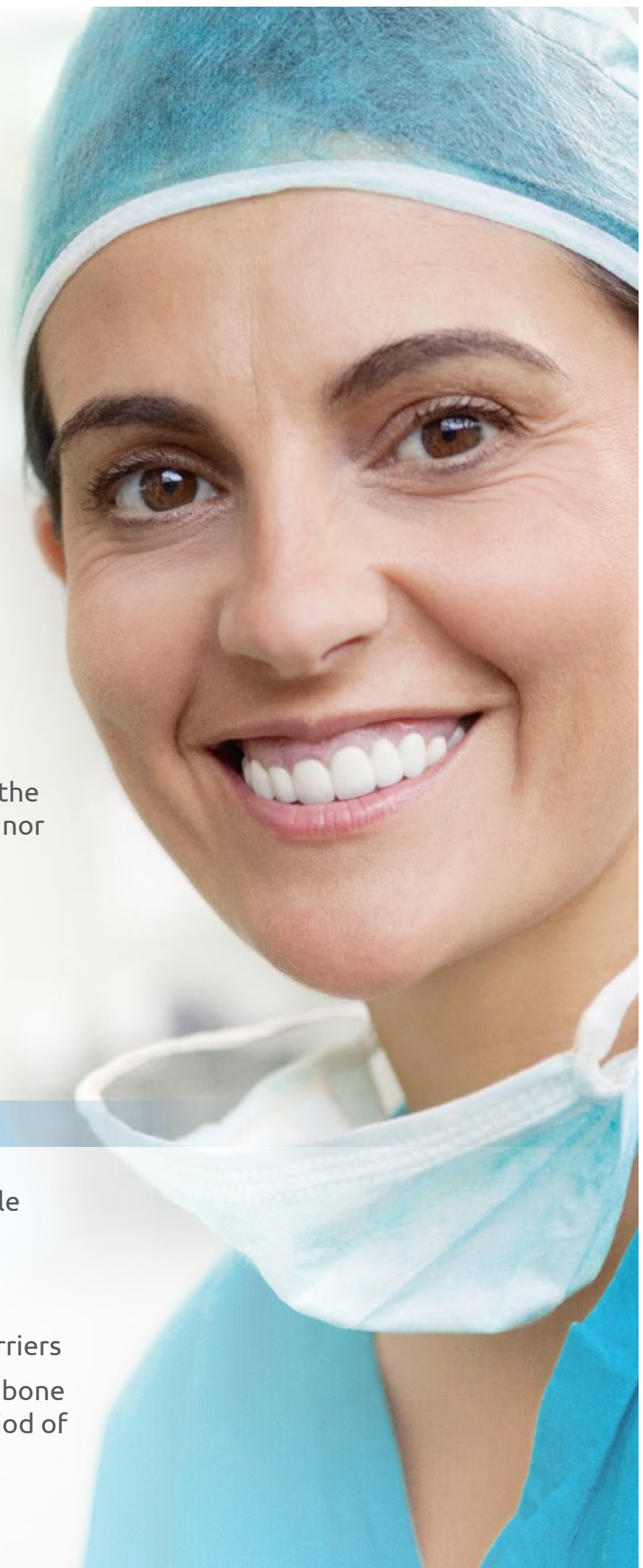
- + for immediate implantation in the filling and reconstruction of minor and multi-walled bone defects

Product benefits

- + Enhanced osteo-conductivity resulting from large surface area of high roughness
- + Active, continuous supply of cells as a result of special open multi-porosity
- + Reduced resorption time, as the structure is conducive to swift consolidation with endogenous bone material

- + Kneadable and plastically deformable after addition of blood
- + Simple handling thanks to effective modelling for defect treatment and comfortable positioning
- + Low density

- + Water-rich, permanently flexible hydrogel structure
- + Growth factors, proteins and bone-forming cells are quickly absorbed without diffusion barriers
- + Early vascularisation and good bone remodelling within a short period of time

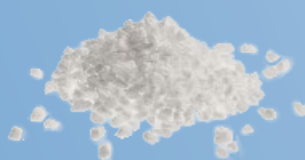


CERASORB® bone-regeneration materials.
We offer tailor-made solutions for diverse requirements.

You have our word!

curasan
Regenerative Medicine

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