Engineered for Implantology, Oral and CMF.

Finceramica
Regenerative surgery
The winning formula

SINTlife in the form of Putty and Granules is resorbable bone substitute made of magnesium-hydroxyapatite nano-crystals, the winning formula for bone regeneration.

The magnesium ions are introduced into the hydroxyapatite crystalline cell, replicating the same positioning and composition as found in the mineral phase of human bone.

Magnesium-Hydroxyapatite: just as nature designed it

It has been demonstrated that the presence of Mg2+ ions deforms the crystalline cell structure of hydroxyapatite, making it unstable and biologically active, thereby promoting bone formation, remodelling and rapid cell-mediated resorption of material.

In addition, the presence of magnesium modifies the chemical-physical surface properties of hydroxyapatite: the biomaterial effectively interacts with water molecules* to rapidly capture the key proteins involved in osteogenesis.


Indications

SINTlife is ideal for various surgical procedures:

- Maintaining the bone crest
- Maxillary sinus lift also through crest
- Periodontal bone lesions
- Furcations (Classes I and II)

SINTlife may be mixed with autologous bone, biological fluids, bone marrow concentrate and growth factors.
Synchronized process: material resorption and new bone formation

SINTlife is a unique innovative material that can interact with the cells that take part in the generation of new bone tissue. Thanks to its nanostructural chemical and geometric biomimetism and surface properties, SINTlife is remodelled and resorbed by cellular action over a physiologically adequate period of 6-18 months. It remains in the application site long enough to allow the growth and maturation of new bone. During the remodelling phase, osteoclastic resorption activities are seen around the SINTlife particles, until complete bone regeneration. SINTlife leads to rapid and effective physiological bone repair*.

**Shapes and sizes**

<table>
<thead>
<tr>
<th>CODE</th>
<th>BESCHREIBUNG</th>
<th>MENGE PRO PACKUNG</th>
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<tbody>
<tr>
<td>PFS015055-00-00</td>
<td>Microgranules 450-600 micron - 0.5 g</td>
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<tr>
<td>PFS015055-10-00</td>
<td>Microgranules 600-900 micron - 0.5 g</td>
<td>1</td>
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<tr>
<td>PFS015155-00-00</td>
<td>Microgranules 450-600 micron</td>
<td>2 single-doses 0.5 g each</td>
</tr>
<tr>
<td>PFS015155-10-00</td>
<td>Microgranules 600-900 micron</td>
<td>2 single-doses 0.5 g each</td>
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**Putty**

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<td>Putty 2 syringes 0.5 cc each</td>
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