# CERAMENT® Bone Void Filler

The next generation of bone substitute

## Article Number Description Quantity

<table>
<thead>
<tr>
<th>Article number</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>A0210-06</td>
<td>CERAMENT® Bone Void Filler 5mL</td>
<td>1</td>
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<tr>
<td>A0210-05</td>
<td>CERAMENT® Bone Void Filler 10mL</td>
<td>1</td>
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<tr>
<td>A0210-10</td>
<td>CERAMENT® Bone Void Filler 18mL</td>
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</tbody>
</table>

## 1 CERAMENT® Bone Void Filler contains

<table>
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<tr>
<th>Description</th>
<th>A0210-06 5mL</th>
<th>A0210-05 10mL</th>
<th>A0210-10 18mL</th>
</tr>
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<tr>
<td>CERAMENT®</td>
<td>1</td>
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**CERAMENT**® MI

Combined mixing and injection device. Pre-filled with ceramic, biocompatible bone substitute. Valve included.

**CERAMENT**® TRU

Iodine based radio opacity enhancing component. Pre-filled syringe contains the exact amount.

**CERAMENT**® ID

Specially designed injection device.

**CERAMENT** Delivery System

<table>
<thead>
<tr>
<th>Tip Extender 11G x 50mm</th>
<th>Tip Extender 11G x 100mm</th>
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<tbody>
<tr>
<td>1</td>
<td>1</td>
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</tbody>
</table>
CERAMENT® BONE VOID FILLER | The next generation of bone substitute

Personalizing a solution for your patients needs:

- Remodeling the bone defect into the patients own bone
- Rapid return to normal activities
- No need for a second surgical site

Proven rapid bone remodeling: 5,7
Healthy host bone within 6 to 12 months

Injectable hydroxyapatite and a moldable putty: 4,5,6

Easy to mix and handle with enhanced radiopacity: 5,6,7
For consistent and safe handling, mix for 30 seconds in a ready-to-use closed mixing system
Isothermal, not temperature sensitive, self-setting

Time and use chart

<table>
<thead>
<tr>
<th>MIX</th>
<th>WAIT</th>
<th>INJECT</th>
<th>WAIT</th>
<th>INITIATE MOLDING (MAX 1 MIN)</th>
<th>WAIT</th>
<th>DRILLING &amp; SCREW INSERTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>30s</td>
<td>3 min</td>
<td>5 min</td>
<td>7 min</td>
<td>9 min</td>
<td>15 min</td>
</tr>
</tbody>
</table>

The above chart is for guidance only, for exact timings please consult the latest instructions for use

REFERENCES:
6. Cancellous Bone Defect Healing With A Novel Bi-Phase Calcium Sulphate-Hydroxyapatite Injectable Bone Substitute in vivo; MJ Burden RL, Borden I, Nilsson M. Poster presentation IRS 2010 New Orleans USA.
7. A Prospective Case Series on CERAMENT® BONE VOID FILLER: Preliminary Results of a Highly Injectable Biphasic Bone Substitute in Acute Trauma Surgery. A Hofmann, MD., T Nusselt MD, F.M. Rommens, MD. Centre for orthopaedic and trauma surgery, University Medical Centre. Johannes Gutenberg University, Mainz, Germany. BONESUPPORT™ White Paper.

REFERENCE IMAGES REPRODUCED BY KIND PERMISSION OF:
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At 12 months – Bone remodeling and hip mobility observed radiographically

Orthopaedic revision surgery utilizing CERAMENT® BONE VOID FILLER

Acetabular revision surgery utilizing CERAMENT® BONE VOID FILLER

Pre-operative ap radiograph of tibial plateau fracture

Pre-operative lateral radiograph of calcaneal bone cyst

Intra-operative ap radiograph showing placement of CERAMENT® BONE VOID FILLER

Intra-operative percutaneous filling of bone void with CERAMENT® BONE VOID FILLER

24-month post-operative lateral radiograph demonstrating complete incorporation by bone

Intra-operative percutaneous filling of bone void with CERAMENT® BONE VOID FILLER

At 18 months ap radiograph demonstrating excellent incorporation of CERAMENT® BONE VOID FILLER by new bone

At 12 months – Bone remodeling and hip mobility observed radiographically

If drilling & screw insertion is not required, the wound can be closed anytime after 10 minutes

The above time chart is for guidance only, for exact timings please consult the latest instructions for use

If drilling & screw insertion is not required, the wound can be closed anytime after 10 minutes