



**FixoCem™**

A MEDSMART SOLUTIONS FAMILY MEMBER

# FixoCem™

Bone cement is used for the fixation of artificial joints. It fills the free space between the prosthesis and the bone and allows for an immediate and stable fixation of the surgical implant.

Orthopaedic Innovation FixoCem™ offers convenient mixing characteristics and excellent mechanical properties and can be used in conjunction with the MixoCem™ Cement Application System or other vacuum or hand mixing systems.

Manufactured in four varieties, the cement differs with respect to viscosity and the presence or absence of Gentamicin, a prophylactic antibiotic. PR1 and PR1G are standard viscosity cements intended for manual use whilst PR3 and PR3G are low viscosity cements for syringe use.

All four cements are manufactured in compliance with the EEC Guidelines 93/42/CEE, ISO 5833:2002 and ISO 13485:2003 and are radiopaque and sterile.

- **Fast mixing with no air bubbles**

After the monomer liquid and the polymer powder are brought together, the time to obtain a homogeneous dough is only 30 to 60 seconds. The resulting cement is free of agglomerates and entrapped air bubbles.

- **High precision dosage**

The dosage of the components is manufactured with great precision. This guarantees equal mixing characteristics across all batches.

- **Well-suited for vacuum mixing systems**

The low viscosity cements PR3 and PR3G are tailor-made for these systems.

| Description               | Product Code |
|---------------------------|--------------|
| FixoCem™ Bone Cement PR1  | BM0060       |
| FixoCem™ Bone Cement PR1G | BM0061       |
| FixoCem™ Bone Cement PR3  | BM0062       |
| FixoCem™ Bone Cement PR3G | BM0063       |

## Technical Specification

|   |   |
|---|---|
| <b>Monomer</b>  | Methyl Methacrylate, N, N dimethylparatoluidine<br>Cupric Chlorophyl, Hydroquinone.                   |
| <b>Polymer</b>  | Methyl Methacrylate Copolymer and Methyl Acrylate.<br>Contains Cupric Chlorophyl.                     |
| <b>Powder-Liquid Ratio</b>  | 68% - 32% (40 gr powder - 20 ml fluid)  |
| <b>Mixture and Dough Properties</b>                                     | Similar mixing times, dough characteristics and curing times to both Palacos® R.                      |
| <b>Resistance to flexion, flexion module, resistance to compression</b> | Same values as Palacos® R* according to ISO 5833.<br>Similar polymeric and granulometric composition. |
| <b>Opacifier</b>  | 10% Barium Sulphate   |

\* Palacos® R is a Registered Trade Mark of Heraeus Medical GmbH, Germany.



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