

SURGICAL CEMENTS with antibiotic

ORCEM® 1G & ORCEM 3G are radiopaque, sterile and self hardening bone cements.

- They contain an aminoside antibiotic (Gentamicine)
- Both are dedicated to arthroplasty surgery
- They allow immediate and stable bone anchorage of implants

Cements ideally respond to the needs of the surgeon, two viscosities for two applications:

ORCEM® 1G: standard viscosity bone cement, manual application.

ORCEM® 3G: low viscosity bone cement, with optimum fluidity to allow an easy application with a syringe or injection gun.

HEADQUARTER & INTERNACIONAL:
Avda. Leonardo Da Vinci, 12-14 ·
Parque Tecnológico · 46980 Paterna

SPAIN SALES DEPARTMENT:
C/Ignasi Iglesias, 70 · 08950 ·
Esplugues de Llobregat · Barcelona



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New generation bone cements advantages

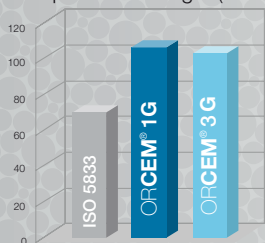
- Mechanical properties above ISO 5833 standard
- Low exothermicity release in situ
- Less release of monomer
- A stable fixation of implants
- Barium sulfate, an excellent radiopaque agent
- Easily prepared with a bowl & spatula or in a vacuum mixing system

ORCEM® 1G & 3G bone cements allow local antibiotherapy.

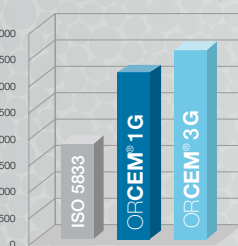
Gentamicin, issued from family of aminosides, has a broad spectrum and is effective against most of the bacteria encountered.
The quantity of gentamicin contained in one dose has been optimised to guarantee a long term release and then prevent infections.

Mechanical properties higher than ISO 5833 standard :

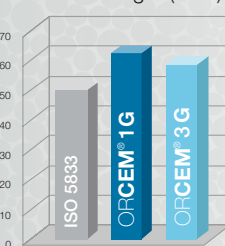
Compressive strength (MPa)



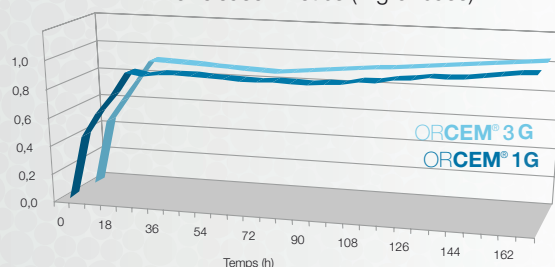
Flexural modulus (MPa)



Flexural strength (MPa)



In vivo release kinetics (mg of base)



Indications

Fixation of implants, arthroplasty revision procedures, patients with high risk of bone infection, revision of infected prosthesis.

Storage & Products

Bone cements are delivered sterile, ready to use in the operating theatre. They must be stored in their unopened original packaging in a clean, dark and dry place at a maximum temperature of 25°C. For any further information, please refer to the IFUs.

PACKAGING

Liquid : within glass ampoule
Powder : within double pouch

DESIGNATION

REFERENCE

ORCEM® 1G - 40 g of powder and 14.4 g of liquid

F9001011

ORCEM® 3G - 40 g of powder and 16.4 g of liquid

F9001013

BOWL MIXER for bone cement*

F9000055

SYRINGE MIXER & GUN for bone cement*

F9000921



Classe III



ORCEM® 1G & ORCEM 3G are products manufactured by TEKNIMED S.A.S.
Head offices: 8, rue du Corps Franc-Pommiès 65500 VIC en BIGORRE (France)

*Authorized Representative EU: Kaiser Medical Technology Ltd.



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