

**DESCRIPTION**

Radiopaque acrylic bone cement with gentamicin and vancomycin antibiotic suitable for manual and syringe application.

- ◆ Device classification according to European Directive CEE 93/42: III

**INDICATIONS**

Temporary fixation of antibiotic-loaded PMMA spacers implants to the host bone  
 Permanent fixation of revision joint prosthesis following a septic process to the host bone.  
 In particular, these cements are indicated where there is the risk or presence of infections caused by organisms susceptible to Gentamicin and/or Vancomycin.

**COMPOSITION**

<b>LIQUID</b>	<b>Ampoule 16.7 g</b>
Methylmethacrylate	98.20 % w/w
N,N-dimethyl-p- toluidine	1.80 % w/w
Hydroquinone	75 ppm
<b>POWDER</b>	<b>Powder 40 g</b>
Polymethylmethacrylate	81.80 % w/w
Barium sulphate	10.00 % w/w
Benzoyl peroxide	1.50 % w/w
Gentamicin sulphate	4.20 % w/w*
Vancomycin hydrochloride	2.50% w/w°

\*Equivalent to 1 g (1 M.I.U.), 2.5% Gentamicin base in 40 g unit

°Equivalent to 1 g (1 M.I.U.), 2.5% Vancomycin base in 40 g unit

**TECHNICAL DATA**

Polymerization temperature (ISO 5833)	69°±5°C
Setting time (at 23°C)	10'00"±1'00"
Mechanical strength	
- compression	80±5 MPa
- bending	60±5 MPa
- elastic modulus	3400±100 MPa

**PACKAGING**

The powder component is contained in a paper polyethylene (PE) film sachet, which is inside an outer Aluminium sachet. The liquid is contained in a trumpet shaped amber glass phial.

**STERILIZATION**

Liquid: filtration

Powder: gamma irradiation