

OpaCem

PMMA Bone Cement

With our continuous research and experience,
we have been able to develop
the new upgraded PMMA Bone Cement OpaCem.
The OpaCem cement includes 60% of X-ray
contrast agent Zirconium Dioxide which allows to
visualize the cement under fluoroscopy more clearly
and determine the exact placement of cement.



Manufactured by
META BIOMED CO. LTD.

270, Osongsaengyeong 1-ro, Osong-eup, Heungdeok-gu,
Cheonju-si, Chungcheongbuk-do, KOREA
Tel : +82-43-230-8914 | Fax : +82-43-217-1988
E-mail : madina@meta-biomed.com



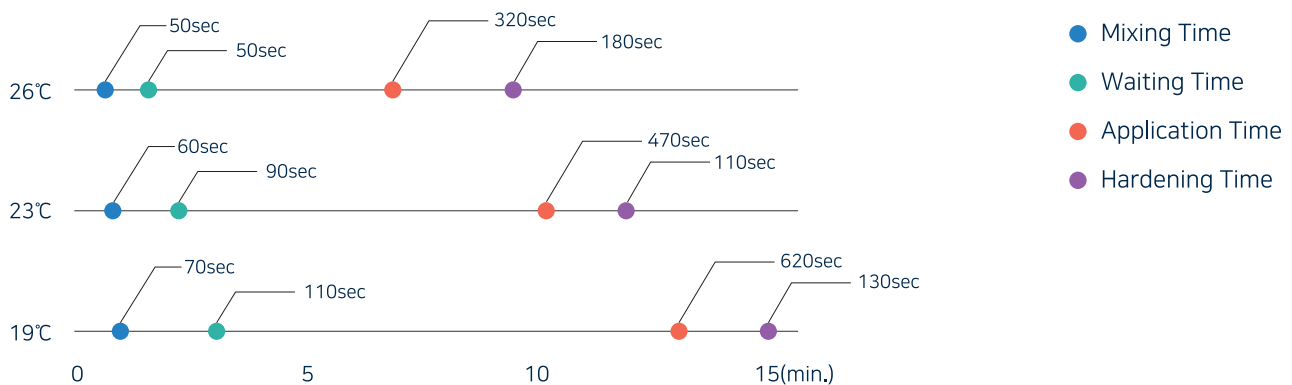
Indications

Severely painful osteoporotic compression fractures
Painful vertebral body tumors(metastasis or myeloma)
Symptomatic Vertebral Hemangioma

Features

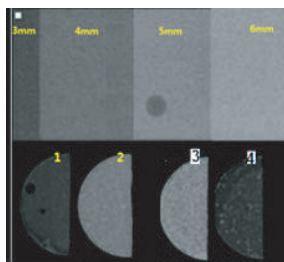
High radiopaque cement includes 60% of ZrO₂
Optimized viscosity for Vertebroplasty and Kyphoplasty
Short mixing and preparing time allows to inject the cement immediately
Good mechanical properties

Chart of handling time at Various Temperature



" Fig.1 : Times shown in the char were obtained by 2 hours storage at 20° before use condition "

High radiopacity property



Pic 1 shows the Al step-wedge by 3, 4, 5, 6mm and below Pic shows the brightness of each product which can be compared to Al step-wedge

The following table shows the radiopacity property of OpaCem cement, NTCem Spine(old version), and two other brands.

No	Product Name	Contrast agent name and amount added	Al(mm)
1	NTCem Spine	ZrO ₂ 30%	2.2
2	OpaCem	ZrO ₂ 60%	4.6
3	"B" brand	ZrO ₂ 60%	4.7
4	"S" brand	BaSO ₄ 30%	2.4

Product Specification

Odel Name	Order No	Components	Weight(g)
OpaCem	BG001	Powder	20g
		Liquid	8.5g

