



ORMED GROUP MEDICAL

- OGM 1 Standard Viscosity Bone Cement
- OGM 1A Standard Viscosity Bone Cement with Antibiotics
- OGM 3 Low Viscosity Bone Cement
- OGM 3A Low Viscosity Bone Cement with Antibiotics
- OGM Vertebroplasty Cement
- OGM Hip Spacer
- OGM Knee Spacer
- OGM Shoulder Spacer
- OGM MIX Bone Cement Mixing Kit Vacuum

C O N T E N T S

ABOUT US


Ormed Grup Medikal was established in 2012 in Ankara which is the capital of Turkey, to meet the needs in the healthcare sector.

Ormed Grup Medical mainly provides services in the fields of Orthopedics, Traumatology and Spine surgery. In addition, the results of R&D studies carried out in the same areas ORMED GRUP MEDİKAL has entered in both the Turkish and world markets with mainly newly developed products. Our products are sold consistently in 25 countries. Our portfolio has grown steadily with increasing networks and services.

Our company is determined to maintain the experience it has gained in the medical sector for many years in a respectable manner. All necessary certification processes for this have been carried out meticulously and FDA (Ormed Grup Medikal is currently the first and only owner of combined products in Turkey), CE and ISO conditions have been met and our company has been incorporated. Our aim is to represent Turkey with our product quality our target is respond to the demands of our sector with the most advantageous prices and better quality products.

Ormed Group has adopted a management approach and practice that sees contributing to the future of physicians, hospitals and the healthcare industry with its medical products and services as its main goal, and aims to provide competitive advantages in the market and make them permanent.

We will continue to ensure that the entire system acts with a common understanding, with the belief that quality means knowledge, reliability and progress in all areas of life.

 **ORMED GRUP MEDİKAL TUR . SAĞ . HİZ . SAN . VE TİC . LTD . ŞTİ .**
Macun Mah.177.Cad.No:19 H/7 Yenimahalle 06105 Ankara/TÜRKİYE

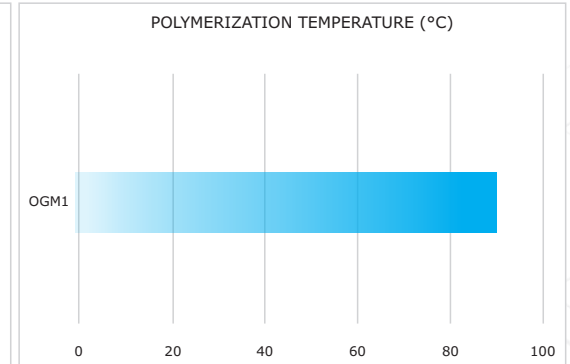
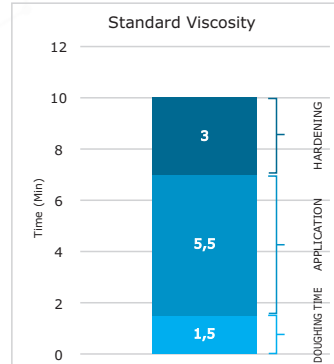
OGM1 BONE CEMENT

Standard Viscosity



OGM Bone cement is a polymethylmethacrylate based radiopaque acrylic bone cement used in orthopedic surgeries. Surgical Radiopaque Bone Cement is indicated for anchoring the prosthesis to living bone in orthopedic musculoskeletal surgical procedures for osteoarthritis, rheumatoid arthritis, traumatic arthritis, avascular necrosis, sickle cell anemia, collagen disease, severe joint disruption resulting from trauma or other conditions, and revision of past arthroplasty procedures. OGM Bone Cement has two types of viscosity: low and standard. OGM1 Bone Cement has standard viscosity.

REF NO	PRODUCT	QUANTITY
1012/S	OGM1 20 Standard Viscosity Bone Cement	20 gr
1201/S	OGM1 40 Standard Viscosity Bone Cement	40 gr
1881/S	OGM1 60 Standard Viscosity Bone Cement	60 gr



ISO 5833

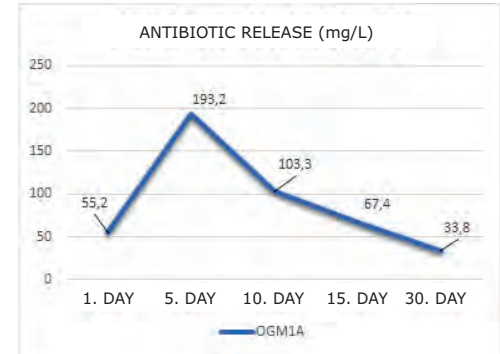
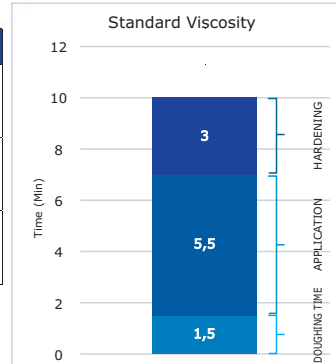
OGM1A BONE CEMENT WITH ANTIBIOTIC

Standard Viscosity



By adding antibiotics to bone cement, local release of antibiotics is achieved and is a recoverer, especially in prosthetic surgeries with infections. Properties of Gentamicin in OGM Antibiotic Bone Cement; Broad antibacterial spectrum, good bactericidal effect at low concentrations, low resistance development, low protein binding rate, low allergic potential, ineffective or insignificant effect on bone cement-water mechanics, resistant to chemical and thermal factors, good water solubility, bone It has good release from cement.

REF NO	PRODUCT	QUANTITY
1506/SG	OGM1A 20 Bone Cement Standard Viscosity With Antibiotics	20 gr
1711/SG	OGM1A 40 Bone Cement Standard Viscosity With Antibiotics	40 gr
1071/SG	OGM1A 60 Bone Cement Standard Viscosity With Antibiotics	60 gr



ISO 5833

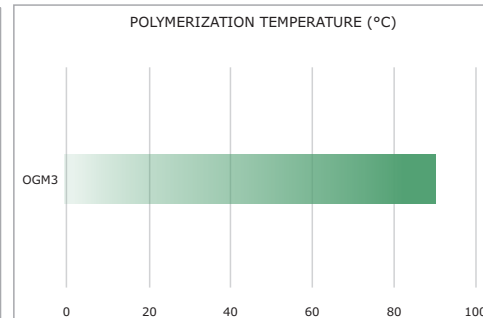
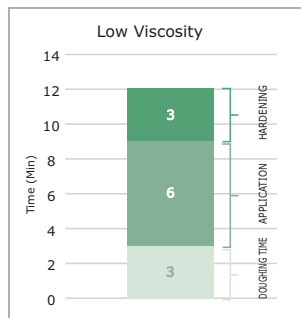
OGM3 LOW VISCOSITY BONE CEMENT

Low Viscosity



Surgical Radiopaque Bone Cement is indicated for anchoring the prosthesis to living bone in orthopedic musculoskeletal surgical procedures for osteoarthritis, rheumatoid arthritis, traumatic arthritis, avascular necrosis, sickle cell anemia, collagen disease, severe joint disruption resulting from trauma or other conditions, and revision of past arthroplasty procedures. OGM Bone Cement has two types of viscosity: low and standard. OGM3 has low viscosity. Provides longer application time.

REF NO	PRODUCT	QUANTITY
2809/L	OGM3 20 Low Viscosity Bone Cement	20 gr
1510/L	OGM3 40 Low Viscosity Bone Cement	40 gr
1923/L	OGM3 60 Low Viscosity Bone Cement	60 gr



ISO 5833



OGM3A LOW VISCOSITY BONE CEMENT WITH ANTIBIOTIC

Low Viscosity

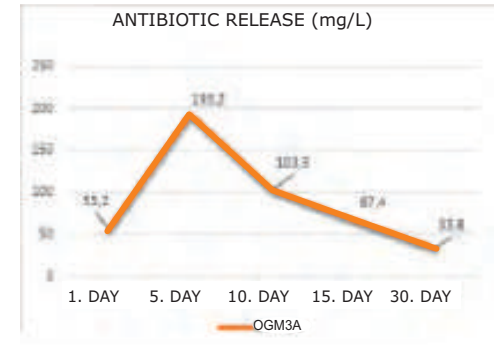
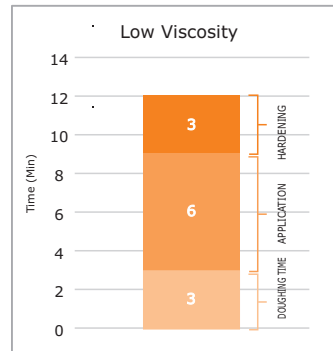


OGM3A low viscosity bone cement provides longer application time. By adding antibiotics to bone cement, local release of antibiotics is achieved and is a savior, especially in prosthetic surgeries with infections. Properties of Gentamicin in OGM Antibiotic Bone Cement; Broad antibacterial spectrum, good bactericidal effect at low concentrations, low resistance development, low protein binding rate, low allergic potential, ineffective or insignificant effect on bone cement-water mechanics, resistant to chemical and thermal factors, good water solubility, bone It has good release from cement.

REF NO	PRODUCT	QUANTITY
1503/LG	OGM3A 20 Bone Cement Low Viscosity With Antibiotics	20 gr
1810/LG	OGM3A 40 Bone Cement Low Viscosity With Antibiotics	40 gr
1453/LG	OGM3A 60 Bone Cement Low Viscosity With Antibiotics	60 gr



ISO 5833

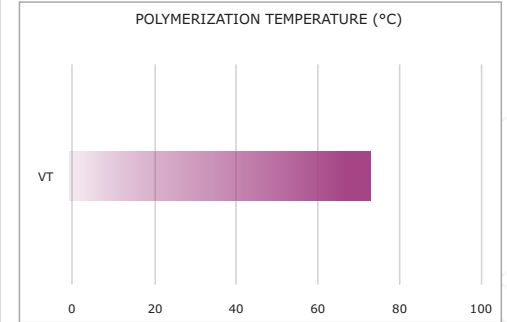
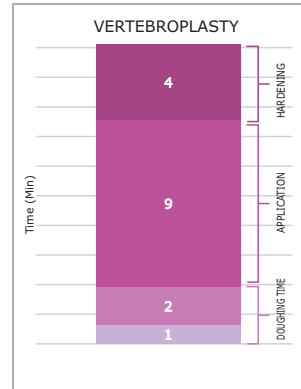


OGM VERTEBROPLASTY CEMENT



Vertebroplasty cement is widely used in the fields of traumatology and spine. It is indicated for the stabilization and strengthening of fractured, collapsed or compressed vertebral bodies caused by pathological conditions such as osteoporosis or tumors.

REF NO	PRODUCT	QUANTITY
0308/VTB	OGM Vertebroplasty Cement	(1x12,5 gr)
2023/VTB	OGM Vertebroplasty Cement	(1x15 gr)
2071/VTB	OGM Vertebroplasty Cement	(1x20 gr)
1406/VTB	OGM Vertebroplasty Cement	(1x25 gr)



ISO 5833



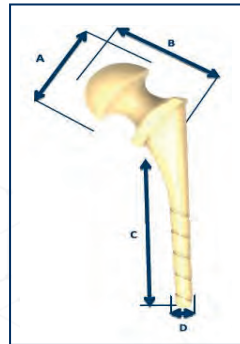
OGM HIP SPACER

In addition to treating infection by providing antibiotic release, spacer is useful in maintaining soft tissue tension until the second stage.

The product includes a head, neck and distal region. It is similar to a total hip prosthesis. It is indicated for temporary use (maximum 180 days) in two-stage total hip replacement surgeries (THR) performed on skeletally mature patients due to septic process. Thanks to the gentamicin which it has , it helps treat the infection in the area while it remains in the body.



REF NO	PRODUCT	SIZE (mm)
OGMHS48/G	OGM Hip Spacer	48 MM Short
OGMHS52/G	OGM Hip Spacer	52 MM Short
OGMHS56/G	OGM Hip Spacer	56 MM Short
OGMHS60/G	OGM Hip Spacer	60 MM Short
OGMHS48L/G	OGM Hip Spacer	48 MM Long
OGMHS52L/G	OGM Hip Spacer	52 MM Long
OGMHS56L/G	OGM Hip Spacer	56 MM Long
OGMHS60L/G	OGM Hip Spacer	60 MM Long



SHORT	A	B	C	D
48 SG	48	55	115	10
52 SG	52	60	115	10,40
56 SG	56	65	133	10,8
60 SG	60	70	125	11,00

LONG	A	B	C	D
48 LG	48	55	210	10
52 LG	52	60	206	10,40
56 LG	56	65	202	10,8
60 LG	60	70	200	11,00

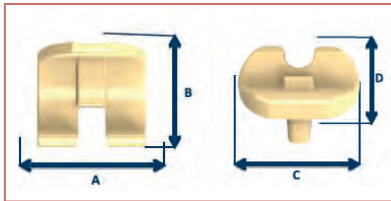


OGM KNEE SPACER

The product consists of femur and tibia parts and it is similar to a total knee prosthesis. It is indicated for temporary use (maximum 180 days) in two-stage total knee replacement surgeries (TKR) performed due to infection. Thanks to the gentamicin which it has helps treat the infection in the area while it remains in the body.



REF NO	PRODUCT	SIZE (mm)
OGMKS56/G	OGM Knee Spacer	56 MM
OGMKS66/G	OGM Knee Spacer	66 MM
OGMKS76/G	OGM Knee Spacer	76 MM
OGMKS86/G	OGM Knee Spacer	86 MM



	A(mm)	B(mm)	C(mm)	D(mm)
Small	56	42	62	43
Medium	66	48	72	47.5
Large	76	54	82	52
X-Large	86	62	92	56.5



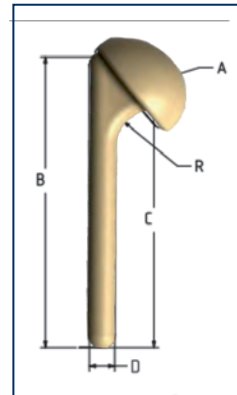
OGM SHOULDER SPACER

The product includes a head, neck and distal region, similar to a shoulder prosthesis. It is indicated for temporary use (maximum 180 days) in two-stage shoulder replacement surgeries performed due to infection. Thanks to the gentamicin which it contains, it helps treat the infection in the area while it remains in the body. There is only one type of product.



REF NO	PRODUCT	SIZE (mm)
OGMSS42/G	OGM Shoulder Spacer	42 MM

A	B	C	D	R
42	120	95,5	10,5	16



OGM BONE CEMENT ISO 5833 REQUIREMENTS

ISO 5833 REQUIREMENTS	
Compressive Strength	≥70 MPa
Flexural Strength	≥50 MPa
Flexural Modulus	≥1800 MPa
Maximum Temperature	90 ± 5°C

	Compressive Strength (MPa)	Flexural Strength (MPa)	Maximum Temperature (MPa)
OGM1	112,82	60,26	4036,94
OGM1A	110,93	55,39	3710,74
OGM3	100,36	75,16	2652,74
OGM3A	95,74	52,3	2475,86
OGM VTB	96,27	54,21	2557,39

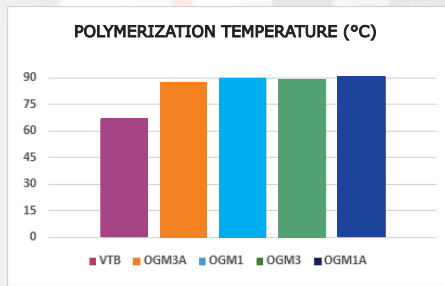
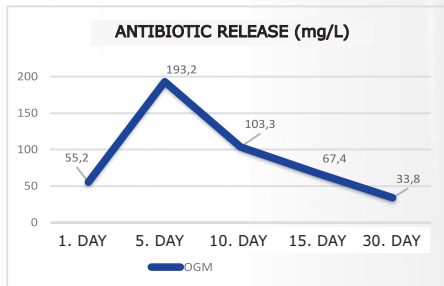
ANTIMICROBIAL EFFECTIVENESS-OGM BONE CEMENT

Examples	0.TIME		1.TIME	
	OGM	Control	OGM	Control
E.Coli ATCC 25922	3,0X10 ⁵ cfu/ml	3X10 ⁵ cfu/ml	0 cfu/ml	2,7X10 ⁵ cfu/ml

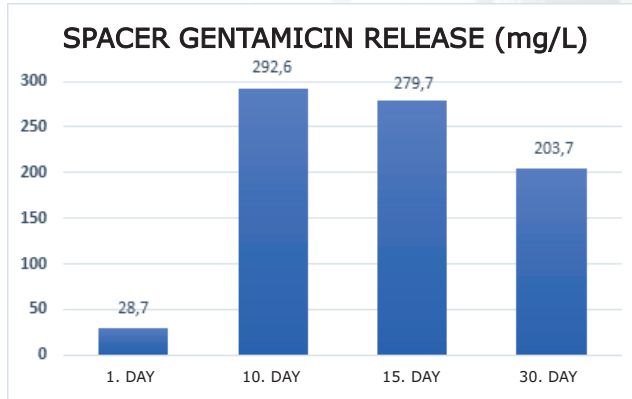
Gentamicin contained in OGM Bone Cement eliminate all Ecoli ATCC 25922 in the environment within the first hour.

Antimicrobial activity testing shows the strong effect of gentamicin on microorganisms.

OGM BONE CEMENT ANTIBIOTIC RELEASE - POLYMERIZATION TEMPERATURE



SPACER GENTAMICIN RELEASE TEST



SPACER COMPRESSION TEST

Parameter	First Sample	Second Sample	Third Sample	Average	Standard Deviation
Maximum Force (kN)	4,17	1,81	3,73	3,24	0,89
Maximum Displacement (mm)	12,18	9,53	8,72	10,143	1,28

OGM MIX PRESSURE CEMENT MIXING KIT WITH VACUUM



REF NO	PRODUCT
MIX23/BCVKIT	OGM MIX PRESSURE CEMENT MIXING KIT WITH VACUUM
MIX23/BCKIT	OGM MIX PRESSURE CEMENT MIXING KIT

OGM MIX Vacuum Bone cement mixing kit ensures that the bone cement used to bond the prosthesis to the bone in knee prosthesis and hip prosthesis surgeries is mixed and applied without any contact. Thanks to the vacuum system, it increases the mechanical strength of the bone cement by removing the air in it while the mixture is being made, thus preventing the formation of air bubbles in the bone cement.





OGM HS
Kalça Aralayıcı

OGM KS
Diz Aralayıcı



ORMED GROUP MEDICAL



Spine Spacer
Españador de Disco
Españador de Rodilla

OGM 1
Españador de Disco Cervical
Españador de Rodilla

OGM 3
Españador de Disco Cervical
Españador de Rodilla

OGM 1
Españador de Disco Cervical
Españador de Rodilla

OGM 3A
Españador de Disco Cervical
Españador de Rodilla

OGM VTP
Españador de Disco Cervical
Españador de Rodilla