



## BONE-FIX™ A MODERN RANGE OF ORTHOPAEDIC CEMENTS

The **BONE-FIX™** range of Modern Acrylic Bone Cements, offers surgeons a range of options, supported by over 10 years of clinical history. Four distinct preparations offered:

- > **BONE-FIX™ Type 1** with & without **Gentamicin**. This offers a **STANDARD VISCOSITY** preparation developed for manual applications.
- > **BONE-FIX™ Type 3** with & without **Gentamicin**. This offers a **LOW VISCOSITY** preparation suitable for use with our dedicated, disposable **VAcu-Mix™** mixing and delivery system.

### PROPERTIES:

- Radio Opacity via the use of Barium Sulphate which is known to produce less debris than Zirconium Dioxide
- Improved tactile feel
- Lower proportions of monomer released in situ
- Reduced curing time
- Rapid final hardening phase, reducing the risk of prosthetic micro-movement
- Mechanical properties far exceed the ISO 5833 standard

### INDICATIONS:

- Our **STERILE** 'self hardening' radio-opaque bone cements offer immediate and stable anchorage of orthopaedic implants in living bone. Our chosen antibiotic agent is **Gentamicin**.
- **BONE-FIX™** : Ideal for fixation of prostheses in arthroplasty procedures or joint damage following trauma, osteoarthritis or osteoporosis.
- **BONE-FIX™ with Gentamicin** : Ideal for revision arthroplasty procedures or where the risk of pre, per and post operative bone infections are perceived.
- Our chosen antibiotic agent and the dosage built into our cement has been optimised to guarantee a long term release phase to prevent infections.

### PACKAGING:

- Liquid contained within glass ampoule - 14.4g or 16.4g.
- Powder contained within double Tyvec® pouch - 40g.

### STORAGE:

- This product is delivered sterile, ready for use in theatre and must be stored in a clean, dark and dry location at an ambient temperature of between 5°C and 25°C



### CATALOGUE #:

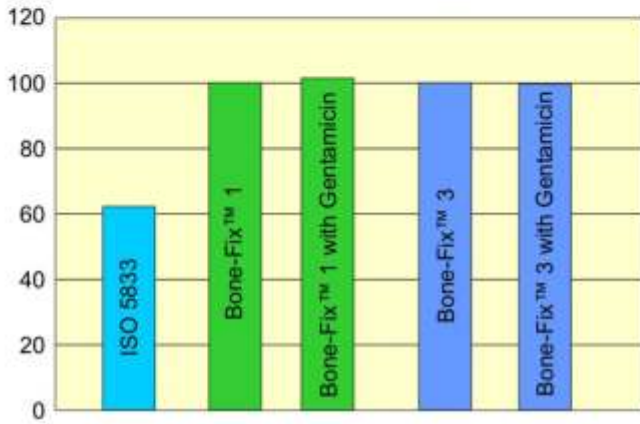
- |   |        |
|---|--------|
| ● BONE-FIX™ Cement Type 1 - STD Viscosity                 | BC0007 |
| ● BONE-FIX™ Cement Type 1 - STD Viscosity with Gentamicin | BC0008 |
| ● BONE-FIX™ Cement Type 3 - LOW Viscosity                 | BC0009 |
| ● BONE-FIX™ Cement Type 3 - LOW Viscosity with Gentamicin | BC0010 |
| ● VAcu-Mix™ Bone Cement Mixer & Application System        | BC0011 |
| ● Mixing bowl   | BC0012 |
| ● Spatula   | BC0013 |

**BONE-FIX™**  
A MODERN ACRYLIC BONE CEMENT

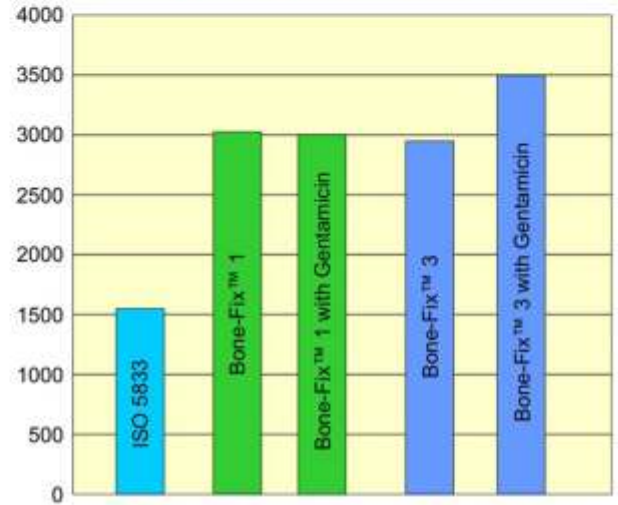


### Mechanical properties bench marked against ISO-5833 standard.

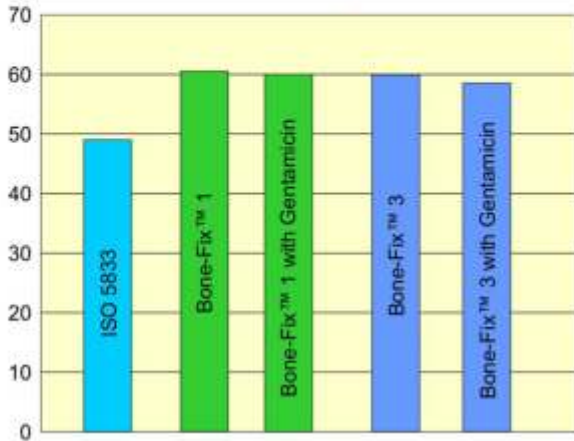
#### Compressive Strength



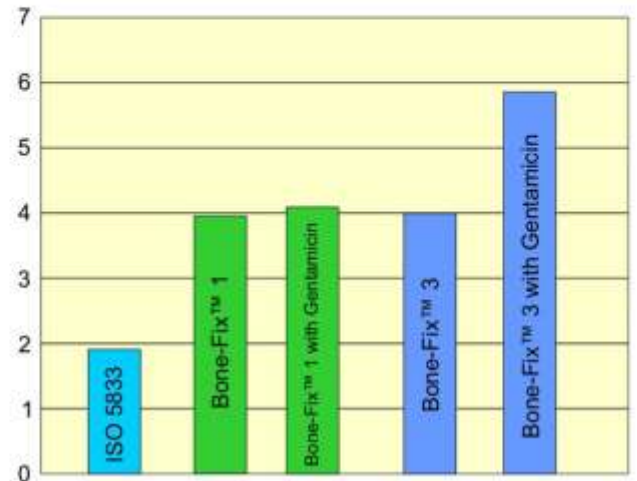
#### Flexural Modulus (MPa)



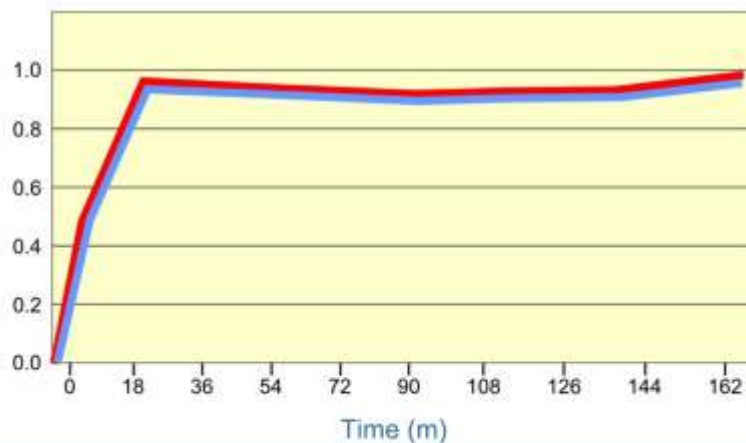
#### Flexural Strength (MPa)



BONE-FIX™ bone cements have high intrusions properties and can resist bleeding pressure.



#### Release of antibiotic agent in vitro



Bone-Fix™ with Gentamicin 3  
Bone-Fix™ with Gentamicin 1