

Zimmer Biomet Hi-Fatigue G Bone Cement Mixing Process

Bone cements all vary in working and handling with multiple factors such as the mixing system, mixing time and temperature affecting the overall experience.

To support consistent performance when using Zimmer Biomet Hi-Fatigue G Bone Cement, please follow the guidance below, provided by our Head of Strategic Engagement for Orthopaedics, Trauma and Spine, Khalid Shihadah.

If Trusts are experiencing longer setting times than expected:

1. Bring cement to room temperature
 - If your storeroom is cool, store the cement in theatres the day before surgery to ensure it reaches the temperature at which it will be mixed.
2. Increase the mixing time to 50 seconds
 - Mixing for longer allows the monomer and polymer to integrate more readily with one another.
 - The additional mechanical energy from mixing accelerates polymerisation and helps reduce the overall setting time.
3. Detach vacuum after mixing.
4. Allow 60 seconds before handling the cement.

Following this process provides approximately 1 minute 50 seconds from the start of mixing to the point of handling / application.

If further guidance is needed, please contact your Zimmer Biomet representative in the first instance.