

ManuMix®

Packaging unit includes 10 mixing systems

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ManuMix®

Mixing system for clinical applications



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ManuMix®

ManuMix® is the patented sterile mixing system for manual mixing of bone cement of low to medium viscosity and subsequent transfer in syringes for clinical application.

The unique patented design allows a homogeneous mixing of the powder and the monomer components as well as closed and clean transfer of the bone cement into syringes.

The mixing system consists of 3 parts:

- Mixing cup
- Transfer insert with Luer connection
- Spatula



Properties

- Easy handling
- Safe and clean transfer process
- Reduced air entrapment in syringes by use of tight Luer connection in combination with the transfer device
- Optimal removal technique with low cement residues
- Sterile product delivered in a soft blister

Material

The mixing system ManuMix® is made out of polypropylene, material compatible with PMMA bone cement.



Overview of the mean value of available cement volume for augmentation of BonOs® Inject used with ManuMix® and different syringe types

Bone cement volume

When both components of BonOs® Inject – powder and monomer – are mixed, the PMMA bone cement volume of 25 ml is generated. Depending on parameters such as temperature, mixing system, type of syringes and filling time the cement volume available for injection will differ.

Syringe type	Available cement volume* for augmentation, if BonOs® Inject is mixed with ManuMix®
1 ml	20 ml
3 ml	22 ml
6 ml	23 ml

* OSARTIS internal reports; Tests were conducted under standardized conditions (23°C)

Preparation phases



- Infilling and mixing of the bone cement with the included spatula*



- Connect syringe to the Luer connection of the transfer insert*



- Clean transfer of bone cement into syringes**



- Available cement volume differs on syringe types used – see table.



** For details, please follow the instructions for use