

biologic solutions



WRIGHT.

mini MIIG[®] X3

High-Strength Injectable Graft
for Small Compression Fractures

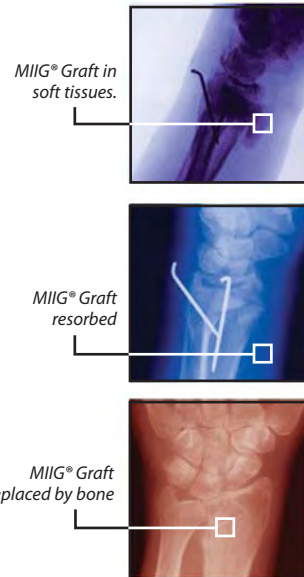
High-Strength. Injects. Replaced By Bone.



mini MIIG® X3 GRAFT

- **Greater compressive strength than NORIAN® SRS¹**
- **Injects**
- **Resorbs**
- **Remodels into bone**

The next generation least-invasive grafting option for small compression fractures is an injectable calcium sulfate with high compressive strength. Essentially an "injectable internal cast" for distal radius fractures*, mini MIIG® X3 Graft provides high compressive strength for temporary support, while demonstrating the same reliable resorption and replacement by bone.



ORDERING INFORMATION

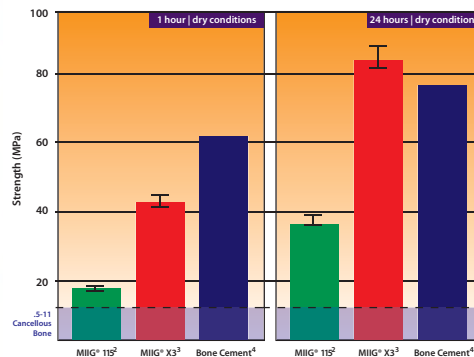
MINI MIIG® X3
84XS-0405 5cc

FOR LARGER COMPRESSION DEFECTS

MIIG® X3
84XS-0415 15cc

mini MIIG® X3 GRAFT Resorbable Salt	VS.	INJECTABLE CALCIUM PHOSPHATE Slow Resorbing Ceramic
No Extravasation Issues resorbs quickly in soft tissues and synovium		Ceramic must be removed if leaked into joint space or soft tissues
Faster resorption and replacement by bone (10 - 12 weeks)		Resorption rate 2 - 3 years
Straightforward surgical technique: a) Reduce b) Inject graft c) Drill/tap for final hardware		Backwards technique a) Reduce c) Place final hardware b) Inject graft

Compressive Strength in a Dry Environment



In a dry environment, MIIG® X3 Graft demonstrates compressive strengths comparable to reported bone cement values.

REFERENCES

1. Reported at 50MPa at 24 hours.
2. Hand-mixed.
3. Vacuum-mixed.
4. Belkoff SM, et al. The effect of the monomer-to-powder ratio on the material properties of acrylic bone cement. J Biomed Mater Res (Appl Biomater) 2002; 63:396-399. Monomer-to-powder ratio was 0.45 ml/g.

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