

PERFECTLY SOFT



Easy Handling

- Does not stick to instruments or itself
- Either side can face the defect
- Low surface expansion when hydrated

High Tensile Strength¹¹

- High suture retention
- High tear resistance

Facilitates New Bone Formation^{7,8}

- Significantly higher new bone formation in the central portion of the defect, in comparative *in vivo* study

Available Sizes (1 per box)

15 mm x 20 mm

| ZM1520



25 mm x 30 mm

| ZM2530



30 mm x 40 mm

| ZM3040



High Success Rate Proven in Randomized Controlled Trial³

In a randomized controlled trial published by Urban et al., Zmatrix™ and control membrane BG similarly reduced defect height after simultaneous GBR and implant placement.

High Tensile Strength and Suture Retention¹¹

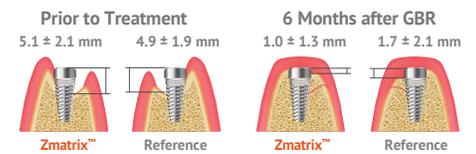
Studied *in vitro* compared to other collagen membranes

- Showed the highest suture retention when hydrated (6.1 N)
- Demonstrated the highest force at break, wet (21.2 N)

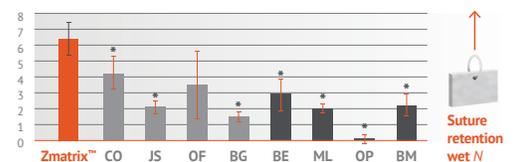
Stable During the Period Required for Barrier Function¹²

After 20 weeks in an animal model, the thickness of Zmatrix™ decreased only slightly, whereas control membrane BG showed around a 50% thickness loss.

Schematic Showing the Defect Height:



Comparison of Commercial Membranes in a Hydrated State



*Statistically significant



- **Designed to drape without adhering to itself**
- **Natural peritoneum collagen structure provides for elasticity**

Selection of Zmatrix™ References

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5. Raz P, Brosh T, Ronen G, Tal H. Tensile properties of three selected collagen membranes. *Biomed Res Int*. 2019 Dec 5;2019:5163603.
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10. Wessing B, Emmerich M, Bozkurt A. Horizontal ridge augmentation with a novel resorbable collagen membrane: a retrospective analysis of 36 consecutive patients. *Int J Periodontics Restorative Dent* 2016;36(2):179–187.
11. Gasser A, Wessing B, Eummelen L, et al. Mechanical stability of collagen membranes: an in vitro study. *J Dent Res* 2016;95(Spec Iss A): 1683.
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