

Adsorbing Dental Barrier Membranes

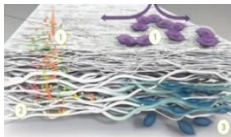
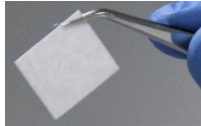
COLLAGEN AND SYNTHETIC POLYMER COMPARED

Barrier membranes stabilise particulate grafts during the healing phase of a GBR procedure. Ideally, they should create and maintain space for new bone. Some do not do this well.

Barrier membranes can be resorbable or non-resorbable. **NON-RESORBABLE MATERIALS** such as Titanium mesh, Titanium foil and e-PTFE are used on larger defects and are not described here. Both require a 2nd procedure to remove unlike **ADSORBABLE MATERIALS** produced from animal-derived collagen (Ti-oss Guide) or lab-produced synthetic polymers (Powerbone Resorbing Barrier Membrane).

ENHANCED FUNCTION, DIFFERENT CHARACTERISTICS

Ti-oss Guide is an adsorbable collagen derived barrier membrane. Powerbone Barrier Membrane is an adsorbable synthetic polymer. Clinicians transitioning from one to the other should allow a short time to adapt their technique to gain maximum benefit.

Ti-oss Guide Collagen	Adsorbing Polymer Barrier Membrane
Porcine-derived adsorbable xenograft barrier	PLGA resorbable polymer
	
Features	Features
<ul style="list-style-type: none">• Porous and biocompatible• Good tissue integration.• Good adhesion.• Extended barrier function.	<ul style="list-style-type: none">• Available as Single or Double layer• Does not collapse/Creates a healing space.• Can be thermo-moulded.• Porosity from polymer fibre and layers.
Limitations	Limitations
<ul style="list-style-type: none">• Limited space creation used alone.• Rapid degradation if exposed.• Animal source.	<ul style="list-style-type: none">• Less compliant if not warmed• Fixation recommended.• Learning curve.
In-use features	In-use features
<ul style="list-style-type: none">• Elastic and Adherent.• Absorbs fluid well.• Adheres well to bony surfaces.• Good tissue integration.	<ul style="list-style-type: none">• Strong, tear-resistant and easy to cut.• Excellent space creation.• Long functional time (<i>Months</i>)• Robust when exposed.
From £69.	From £69.

e-PTFE. Clinicians will find the handling of the Double Layer Powerbone Adsorbing Polymer Membrane similar.

Contact **Regen Store** for further information on Powerbone Synthetic Polymer Membrane, Ti-oss Guide or any of our dental regenerative products.

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