

A SPINAL ADHESION BARRIER
AND SEALANT IN ONE SOLUTION



DuraSeal Xact™
Adhesion Barrier & Sealant System



Each year up to 40%^{1,2} of lumbar spine surgery patients experience recurrent back pain. And while Failed Back Surgery Syndrome (FBSS) with epidural fibrosis is reported in up to 83%^{3,4} of post-surgical cases, surgical treatments to minimize peridural fibrosis have long shown inconsistent results. Until now.

Introducing two innovative reasons why you should use DuraSeal Xact™ to close.

The DuraSeal Xact Adhesion Barrier and Sealant System offers the only demonstrated method of achieving a TRUE watertight dural seal while reliably inhibiting the formation of peridural fibrosis as normal healing takes place.

When sprayed on the dura following standard suture closing technique, the innovative DuraSeal polyethylene glycol (PEG) hydrogel sealant first seals the dura and then acts as an inert tissue barrier, remaining in place for two to three months and preventing peridural scar formation during the critical postoperative healing phase. Its distinctive blue coloration provides excellent visualization during application and positive confirmation of sealant coverage and thickness.

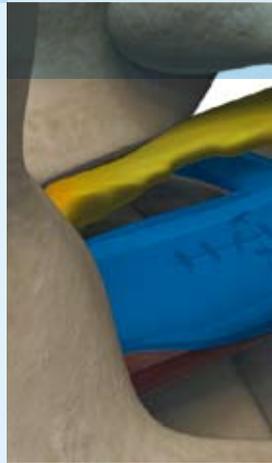
- Strong and immediate adherence to dura ensures watertight seal
- Low-swelling formula mitigates concern of expansion in confined spaces
- Prepared in under 2 minutes and, when applied, seals in seconds
- Blue color provides enhanced visualization
- Completely synthetic and absorbable in 2-3 months providing sufficient time for normal healing while maintaining a barrier against adhesions.

A CLINICIAN'S PERSPECTIVE ...

Patrick Fransen, MD

CLINIQUE DU PARC LÉOPOLD, BRUSSELS, BELGIUM

“Scar tissue surrounding nerve roots can be painful to patients following spine surgery. Both doctors and patients are asking for preventive measures to answer this problem and, in my opinion, the DuraSeal Xact System provides the solution. It’s easy to use and the blue color allows excellent visual control of the treated zone. DuraSeal Xact is a unique product that is extremely effective not only as a dural sealant but also as an adhesion barrier.”



DuraSeal Xact™ hydrogel

is an effective dural sealant and adhesion barrier.



The hydrogel adheres to the tissue surface and provides a true watertight seal.



After application of DuraSeal Xact, the body's normal healing process can continue.



The presence of DuraSeal Xact prevents clot attachment to the dura.



The persistence of DuraSeal Xact continues to protect the dura and eventually liquifies within 2-3 months and is absorbed.

**Illustration – Artist rendition of scar progression.*

You're not through until it's blue™

Ordering Information

Part Number	Description	Quantity Supplied
20-4003	DuraSeal Xact System, 3mL Kit with Standard Applicator	5 Kits/Box
20-5000	MicroMyst Applicator for Air-assisted Application	5 Kits/Box
FR-6065	Flow Regulator for use with MicroMyst Applicator	1



1. Atlas SJ, Deyo RA, Patrick DL, et al. The Quebec task force classification for spinal disorders and the severity, treatment, and outcomes of sciatica and lumbar spinal stenosis. *Spine*. 1996;21:2885-2892.
2. Long DM, Filtzer DL, BenDebba M, et al. Clinical features of the failed-back syndrome. *J Neurosurg*. 1988;69:61-71.
3. North RB, Campbell JN, James CS, et al. Failed back surgery syndrome: 5-year follow-up in 102 patients undergoing repeated operation. *Neurosurgery*. 1991;28:685-691.
4. Grane P. The postoperative lumbar spine. A radiological investigation of the lumbar spine after discectomy using MR imaging and CT. *Acta Radiol Suppl*. 1998;414:1-23.

Product not available in all geographies.

IMPORTANT: Please refer to the package insert for complete instructions, contraindications, warnings and precautions.

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