



A seatbelt approach to safety in colorectal surgery

Gastrointestinal Surgical Sealants

Driving towards improvements in patient safety...

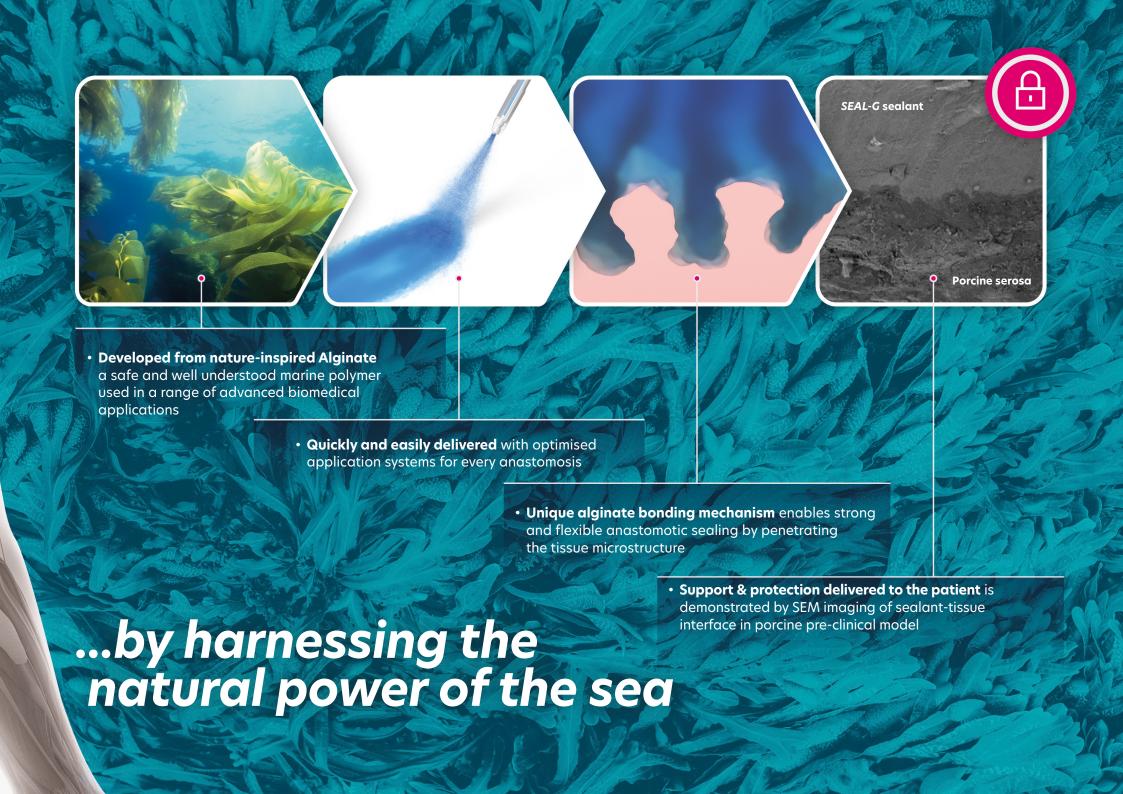
- SEAL-G is a surgical sealing innovation designed to provide additional layers of safety for the patient
- **Unique alginate technology** delivers strong and flexible anastomotic sealing to support and naturally protect the anastomosis
- **SEAL-G** is ideal to complement the meticulous surgical technique and additional precautions that you already take to reduce risk and impact of anastomotic leakage
- **SEAL-G provides a seatbelt that is designed to reduce leakage** and delivers peace of mind for you and the patient

8.6% anastomotic leak rate in colorectal surgery¹



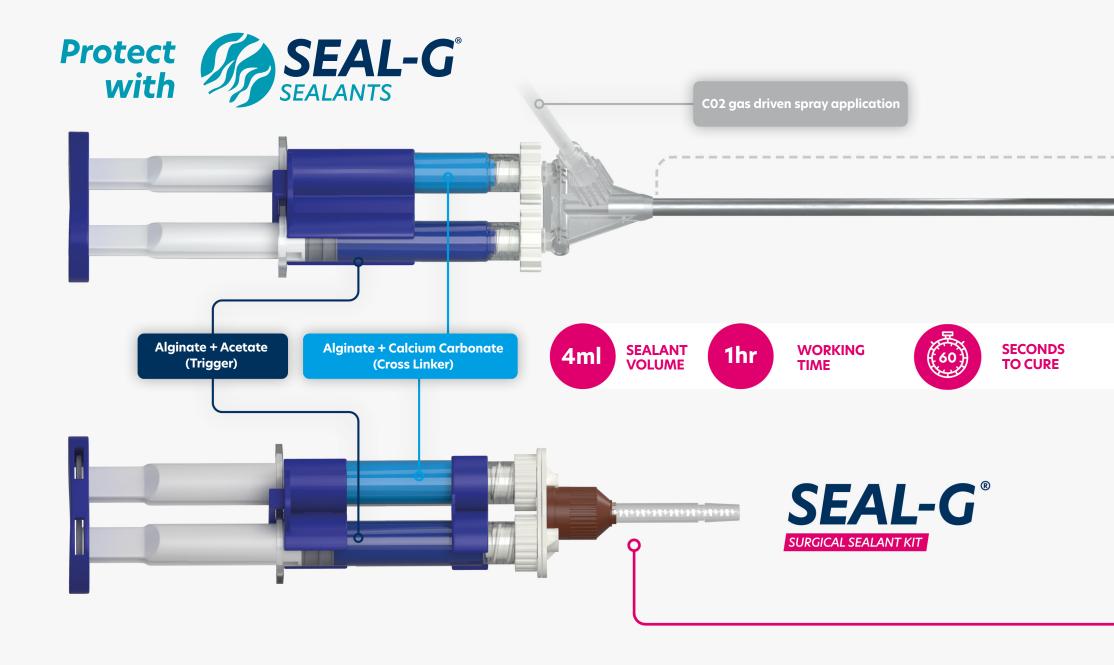
14 day length of stay increase²

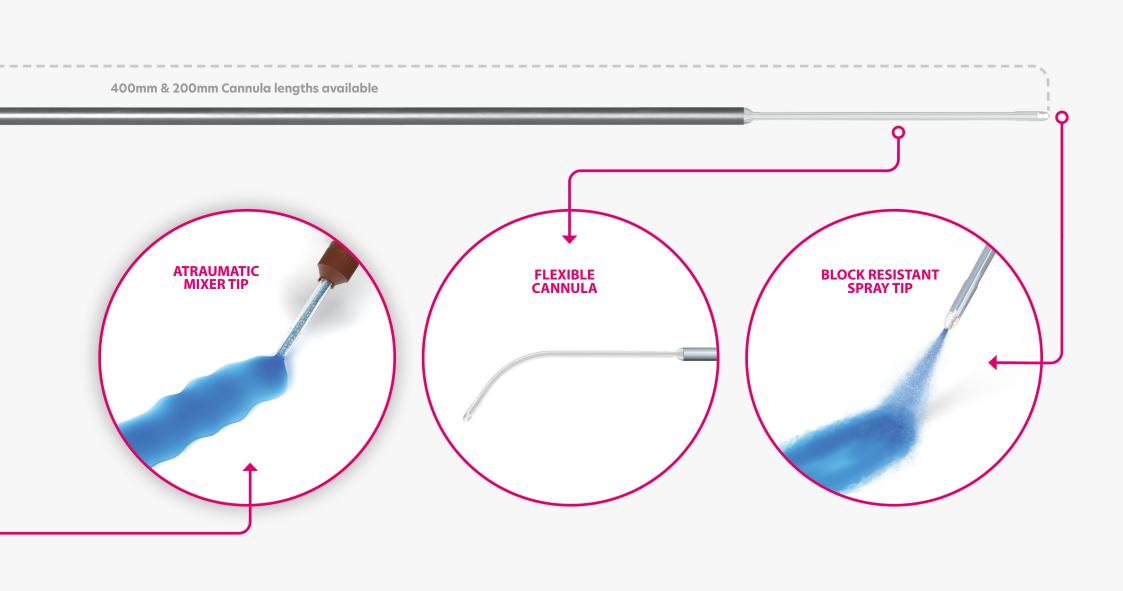
22% reduction in 5yr survival³











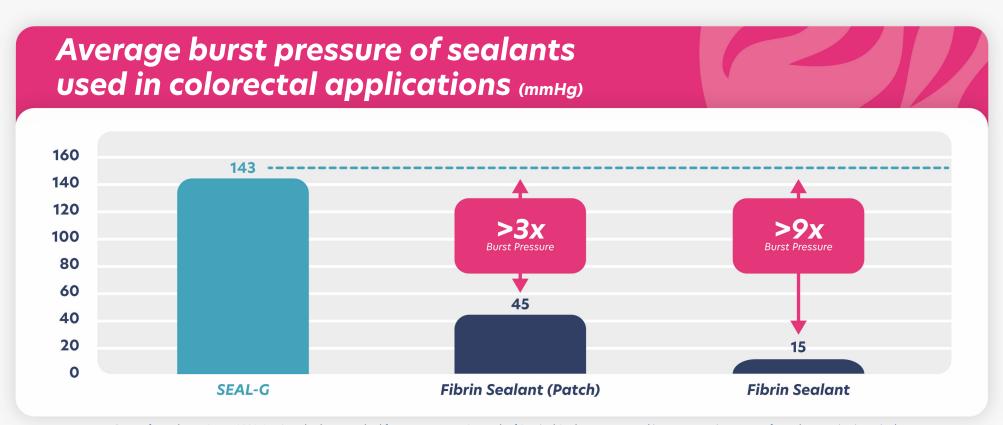


SEAL-G offers high strength anastomotic sealing & protection

In-vitro burst test strength testing reflects 2 important metrics:

- Cohesive Strength: the strength of the bonds between sealant polymers
- Adhesive Strength: the strength of the bond between the sealant and a tissue substrate

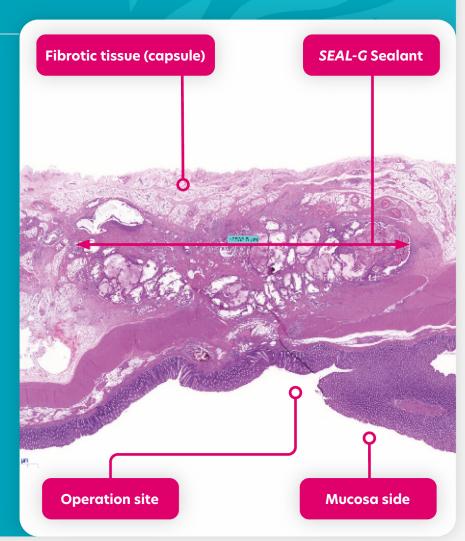
SEAL-G demonstrates both of these in vitro, with significantly better peak performance of SEAL-G vs. commercially available comparators.





Durable anastomotic reinforcement and protection throughout critical post-op window

- **SEAL-G** has been investigated in a range of preclinical models to support safety and efficacy feasibility during product development.
- Histological analysis of SEAL-G reinforced anastomoses from these models demonstrates that at 14 days post-op SEAL-G sealant and surrounding fibrotic tissue completely encapsulate the anastomotic site.
- This ensures that a protective layer surrounds the anastomosis throughout the critical post-operative healing window and that SEAL-G supports prevention of anastomotic leakage and healing.
- At 3 months post-implantation, SEAL-G is >50% biodegraded. This process takes place as phagocytes biodegrade the SEAL-G sealant and replace with fibrotic tissues. Sealant degradation advances simultaneously with the tissue healing response, ensuring that the anastomosis is supported with an additional layer of sealant and fibrotic tissue at all times, preventing leakage.



Indications for Use:

• **SEAL-G & SEAL-G MIST** System Surgical Sealants are intended for use as an adjunct to standard closure techniques for reinforcement and protection of gastrointestinal anastomoses.

Contraindications:

- **SEAL-G & SEAL-G MIST** System Surgical Sealants should not be used in place of standard closure techniques (staples, sutures or mechanical closure).
- **SEAL-G** should not be injected into the blood stream.
- Do not spray **SEAL-G MIST** directly over or into open blood vessels, to avoid possible gas embolism.
- Do not use in case of known hypersensitivity to Indigo Carmine dye (FD&C 2/ E132).

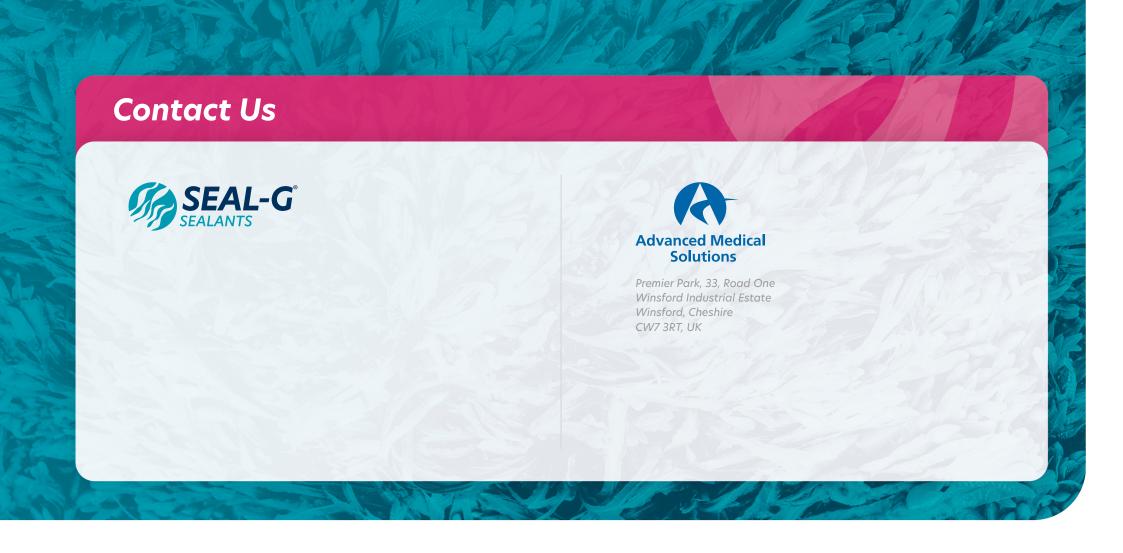
For complete indications, contraindications, warnings, precautions, and adverse reactions, please refer to full package insert.

- 1. The 2017 European Society of Coloproctology (ESCP) international snapshot audit of left colon, sigmoid and rectal resections Executive Summary. Colorectal Dis. 20, 13-14 (2018).
- 2. Glasbey, J. C. et al. The impact of stapling technique and surgeon specialism on anastomotic failure after right-sided colorectal resection: an international multicentre, prospective audit. Color. Dis. 20, 1028-1040 (2018).
- 3. Stormark, K. et al. Anastomotic leak after surgery for colon cancer and effect on long-term survival. Color. Dis. 22, 1108-1118 (2020).

Ordering information

Part Number	Description	Size	Qty per box
72014037	SEAL-G Surgical Sealant	4ml	1
72014040	SEAL-G MIST System Surgical Sealant Kit (400mm)	4ml	1
72014043	SEAL-G MIST System Surgical Sealant Kit (200mm)	4ml	1





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