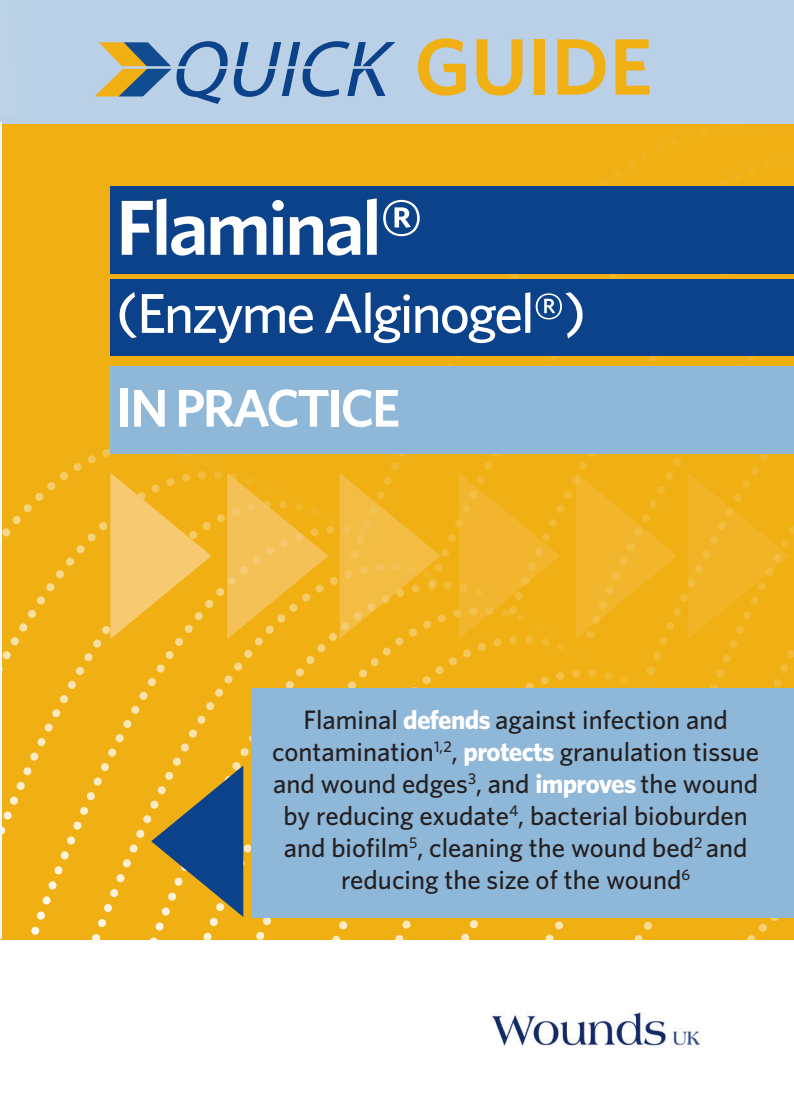


Flaminal®

(Enzyme Alginogel®)

IN PRACTICE



Flaminal **defends** against infection and contamination^{1,2}, **protects** granulation tissue and wound edges³, and **improves** the wound by reducing exudate⁴, bacterial bioburden and biofilm⁵, cleaning the wound bed² and reducing the size of the wound⁶

WHAT IS FLAMINAL?

Flaminal is an Enzyme Alginogel wound healing agent. It consists of an antibacterial enzyme system embedded in hydrated alginates. It supports healing by keeping wounds clean and moist, and by providing antimicrobial protection. Two formulations allow for optimal moisture balance for fast, effective wound healing:



Flaminal Hydro

Flaminal Hydro contains a lower amount of alginate and is indicated for low to moderately exuding wounds



Flaminal Forte

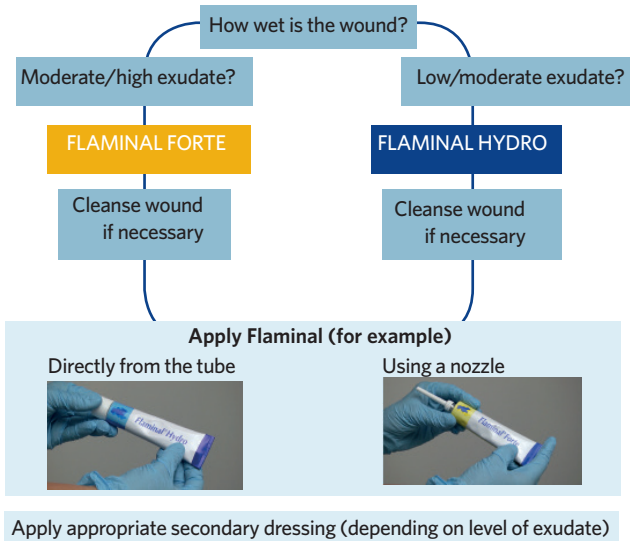
Flaminal Forte contains higher levels of alginate, is more absorbent and is indicated for moderate to highly exuding wounds

Flaminal is suitable for all wound types and conditions, including:

- ✓ Necrotic wounds: Necrotic material can delay healing and promote infection risk
- ✓ Infected wounds (under medical supervision): Bacteria may impede healing, exacerbate pain and cause malodour
- ✓ Sloughy wounds: Yellow slough on the wound bed can delay healing and prevent effective treatment
- ✓ Granulating wounds: Granulation tissue can be fragile and needs to be protected

HOW TO USE FLAMINAL (HYDRO AND FORTE)

Treatment pathway



- ✓ Flaminal will last 1-4 days (as long as gel structure remains intact)
- ✓ Flaminal can be used until the expiry date shown, provided the cap is replaced securely after use

Flaminal application

1. Select Flaminal Hydro or Flaminal Forte

Choose between Flaminal Hydro or Forte based on exudate levels:

WOUND EXUDATE LEVELS	HYDRO OR FORTE?	TIME TO DRESSING CHANGE
Low	Flaminal Hydro	3-4 days
Moderate	Flaminal Hydro/Forte	2-3 days
High	Flaminal Forte	1-2 days initially

2. Apply the gel

(a) Clean and rinse the wound

(b) Apply a thick layer (4-5 mm) of either Flaminal Hydro or Flaminal Forte to the wound

3. Cover with secondary dressing

Flaminal should be covered with a secondary dressing

The dressing can stay in place as long as the gel structure is in place:

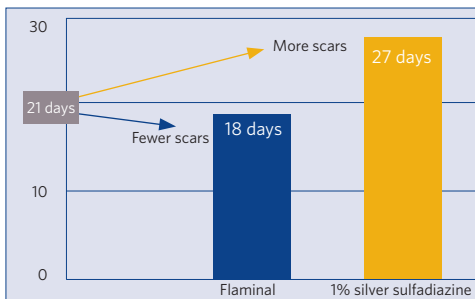
1-4 days, depending upon the amount of exudate

➤ For wounds treated with Flaminal Hydro, this generally means every 3-4 days

➤ Wounds treated with Flaminal Forte are usually changed every 1-2 days

THE BENEFITS OF FLAMINAL

- **Supports all stages of healing**
 - Flaminal is intended to promote moist wound healing and, by association, autolytic debridement³ to create an optimum environment for healing
- **Infection control without cytotoxicity**
 - Non-cytotoxic,^{1,2,7} Flaminal can kill bacterial and fungal growth while preserving the skin and fragile tissue involved in healing^{5,7}
- **Benefits for the patient**
 - Minimises pain, discomfort, and odour associated with too wet or too dry wounds^{1,3}
 - Easy to apply even in the most difficult areas, with no limit to the duration of use
- **Improved healing outcomes**
 - Fast and effective healing, with less scarring than silver sulfadiazine^{8,9}



A comparative analysis of healing rates in deep partial thickness burn injuries. It has been demonstrated that burn wounds which heal in less than 21 days have less risk of developing hypertrophic scars and contractures^{8,9}

References

1. De Smet K et al (2009) *Wounds* 21: 65-73
2. Van Den Plas D, Barraud J (2012) Antimicrobial activity of Flaminal[®] against Methicillin-resistant Staphylococcus Aureus (MRSA) Poster, *Wounds UK*
3. Durante C (2012) *J Wound Care* 21: 22-8
4. White R (2006) *Wounds UK* 2: 64-9
5. Cooper RA (2013) *Int Wound J* 10:630-7
6. de la Brassinne M et al (2006) *J Eur Acad Dermatol Venereol* 20:131-5
7. Vandenbulcke K et al (2006) *International Journal of Lower Extremity Wounds* 5: 109-14

TIPS FOR USING FLAMINAL IN PRACTICE

- ✓ Check the dressing: if it is leaking, or if there is insufficient gel, the Flaminal should be changed and a new dressing applied
- ✓ During Flaminal treatment, dry whitish alginate flakes may appear on the wound border. They should not be removed. The flakes will prevent wound border maceration. Maceration slows the healing process of the wound
- ✓ If dry flakes of alginates appear on the wound bed when using Flaminal Forte, the wound is too dry. Change to Flaminal Hydro: the flakes in the wound will disappear when the moisture balance is restored
- ✓ In the initial phase of treatment, the wound may seem to become larger. This is a normal part of the healing process in which necrotic tissue is eliminated
- ✓ The colour of the alginates may change slightly due to their natural origin. Colour changes have no effect on the quality of Flaminal
- ✓ Should Flaminal Hydro liquefy too quickly, the wound is too wet for Flaminal Hydro, and Flaminal Forte should be used instead

8. Hoeksema H et al (2013) Burns 39: 1234-41
9. Hoeksema H et al (2013) Flaminal® Forte: an enzyme alginogel: 10 years experience in burn care. Poster: Department of Plastic & Reconstructive Surgery and Burn Centre, Gent University Hospital, Belgium

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