The breakthrough treatment for faster wound healing and abnormal scar prevention

The first film-forming silicone gel-based wound dressing approved for the use on open wounds and compromised skin

Class IIa Medical Device, FDA Listed/TGA Approved
Stratamed for scar prevention and scar treatment

Fast wound healing is key to minimize abnormal scar formation.¹

“The main focus for clinicians is to achieve rapid epithelialization as a first measure of wound care to prevent abnormal scar formation. This is particularly important for wounds subjected to tension due to motion, body location or loss of tissue.”¹

Silicone’s long-standing efficacy for wound healing, scar prevention and scar treatment²–⁴ has now taken a leap forward with the development of Stratamed – specifically developed for use on non epithelialized skin.

With Stratamed, physicians and patients are now able to begin their silicone therapy earlier than ever before, which significantly reduces the likelihood and severity of abnormal scarring.⁵

Stratamed dries to form a thin, flexible, protective sheet that is gas permeable and waterproof which hydrates and protects compromised skin areas and open wounds from chemical and microbial invasion.

Stratamed can also be used in conjunction with other invasive scar management options to improve overall results, including surgical excision and resuturing, intralesional steroid injections and pressure garments.

Stratamed can be used immediately after general and cosmetic surgery, trauma, chronic wounds, burns*, skin grafting, donor site wound, bites, graze etc.

*1st and 2nd degree burns, 3rd degree burns only after the presence of granulating tissue

Fresh incision³
During treatment and 8 weeks post treatment with Stratamed (monotherapy)
Stratamed – the evolution in wound healing and scar management

Stratamed can be used immediately after surgical procedures, trauma, skin resurfacing, burns*, chronic wounds etc.

- Faster wound healing and reduced inflammatory response5,6
- Improves the visible outcome of the procedure7
- Allows prevention of abnormal scarring to begin earlier than ever before5

Stratamed helps to create an optimal moist wound healing environment for the healing process of the wound5–7, which leads to

- Increase rate of epithelial cells migration, thus faster wound healing
- Reducing the symptomatic responses (redness/discoloration, itching, discomfort and pain)5–7
- Dramatically decreasing the incidence of abnormal scarring6

Stratamed is semi-occlusive and hydrophobic and does not adhere strongly to the newly formed granulating tissue5–7, which leads to

- Gas permeability while reducing TEWL
- Maintaining the wound hydration balance, without maceration
- Faster migration of keratinocytes across the wound bed

Stratamed consists of inert silicone polymers with no measurable pH value, which form a flexible protective sheet, that

- Does not affect the protective acid mantle of the skin
- Reduces the inflammatory response5–7
- Enables an effective wound healing and enhances therapeutic results5–7

Stratamed dries to form a full contact flexible wound dressing:

- Suitable for different wound types and shapes
- Excellent flexibility and adaptability to all kind of wound surfaces
- Able to “mimic” the epidermal barrier

Stratamed is a simple addition to existing wound care protocols with no changes required. It can be used with or without secondary protective dressing.

- Simple, easy, safe and convenient to use, painless to apply and remove
- Chemically and mechanically compatible with secondary dressing
- Patients can continue treatment at home

Stratamed is bacteriostatic and inert, supplied in "sterile until open" format:

- Prevents the wound infection
- Enable to do the first application at the surgery room

Stratamed is a high molecular weight polymer – not absorbed through the skin or through the gastrointestinal tract

- Suitable for children or people with sensitive skin

*1st and 2nd degree burns, 3rd degree burns only after the presence of granulating tissue
How Stratamed works

**Faster re-epithelialization of the wound bed**

Stratamed's protective and hydrophobic silicone film has a semi-occlusive effect and therefore improves the tissue hydration of the injured skin area. It allows a faster migration of keratinocytes across the wound bed and supports a more rapid re-epithelization and effective healing. The faster re-epithelialization dramatically decreases the incidence of abnormal scarring\(^5\)\(^6\) and gives patients a faster recovery time.

**Reduction of inflammatory response**

Stratamed forms a flexible, protective sheet that is gas permeable but semi-occlusive, which weakly bonds to the injured skin and protects it from chemical and microbial invasion, but it does not penetrate into the epidermis or dermis.\(^5\) The polymers Stratamed contains have no measurable pH value, and therefore do not affect the protective acid mantle of the skin and do not react with the newly forming epithelial tissues.\(^5\) This leads to a reduction in the inflammatory response (redness/discoloration, burning sensation, itching, discomfort, pain etc), and effective healing of the wound and therefore enhances therapeutic results.\(^5\)

**Abnormal scar prevention**

After the re-epithelialization of a wound, the stratum corneum is immature and still allows abnormally high levels of Trans-Epidermal Water Loss (TEWL). Dehydration is signaled to keratinocytes, which then start to produce cytokines, which in epidermal-dermal signaling activate dermal fibroblasts to synthesise and release collagen. Excessive collagen production leads to abnormal scarring.\(^5\)

At this wound healing stage, the Stratamed layer restores the barrier function of the stratum corneum, reduces TEWL and stops dehydration of the skin. Reduction of TEWL turns off stimulation of keratinocytes and the production of cytokines and thus normalizes the level of collagen production, resulting in a normal mature scar.\(^8\)

**Stratamed is available in 5 g, 10 g, 20 g and 50 g tubes.**

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<tr>
<td><strong>5 g</strong></td>
<td>Enough to treat a 2–4 cm linear incision twice per day for over 90 days.</td>
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<tr>
<td><strong>10 g</strong></td>
<td>Enough to treat a 5–8 cm linear incision twice per day for over 90 days.</td>
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<tr>
<td><strong>20 g</strong></td>
<td>Enough to treat a 10–12 cm linear incision twice per day for over 90 days or an area of 6 × 12 cm twice per day for over 60 days.</td>
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<tr>
<td><strong>50 g</strong></td>
<td>Enough to treat an area of 12 × 15 cm twice per day for over 60 days.</td>
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Clinical results with Stratamed

**Partial thickness donor site wound**
Monotherapy treatment with Stratamed

**Chronic wound**
Monotherapy treatment with Stratamed, twice daily

*note the areas of crusting, which were devoid of periosteum

**Face lift surgery**
Monotherapy treatment with Stratamed

**Breast surgery scars**
Treatment with Stratamed in combination with CO₂ fractional laser

**Hypertrophic scar post thorax surgery**
Treatment with Stratamed in combination with CO₂/Mosaic fractional laser resurfacing and radio frequency

Stratamed speeds up the healing process resulting in reduced downtime. Stratamed allows prevention of abnormal scarring to begin earlier than ever before.
Stratamed is available in 5g, 10g, 20g and 50g tubes.

**Directions for use**

For best results Stratamed should be maintained in continuous contact with the skin (24 hours a day/7 days a week). When applied correctly to exposed areas, Stratamed should be dry in 5–6 minutes. If it takes longer to dry you have probably applied too much. Gently remove the excess with a clean tissue or gauze and allow the drying process to continue.

- Ensure that the affected skin or wound is clean.
- Pat dry as much excess exudate or wound fluid from the wound as possible prior to gel application.

**Post skin rejuvenation and resurfacing treatments:**

On damaged or broken skin not requiring a protective secondary dressing:

Apply a very thin layer of Stratamed to the affected area and allow the gel to dry. Stratamed should be applied once daily, or twice daily to exposed areas or as advised by your physician. Once dry, Stratamed can be covered by sunscreen, cosmetics, pressure garments or casts.

**After surgical incisions/excisions:**

On damaged skin or wounds requiring a protective secondary dressing:

Apply a thin layer of Stratamed then cover with the secondary dressing. **Drying is not necessary.** Stratamed should be reapplied when changing the dressing or checking wound progress.

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**From Stratpharma Switzerland, producer of:**

**Stratamed**
advanced film-forming wound dressing

Stratamed is available in 5g, 10g, 20g and 50g tubes.

**Stratamark**
for the prevention and treatment of stretch marks

The novel formulation for the prevention and treatment of Striae.
Can be used in combination with non ablative lasers for improving overall results.

www.stratamark.com

**Strataderm**
scar therapy gel

For the prevention and treatment of hypertrophic scars and keloids.
For treatment of old and new scars. Softens and flattens raised scars.

www.strataderm.com

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**References**

7. Data on file. Stratpharma AG

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**Manufactured by:**
Stratpharma AG
Centralbahnplatz 8
CH-4051 Basel, Switzerland