



For Professional Scar Therapy

Silicone Scar Sheet

Silicone Scar Gel





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Under License of Eska Pharma GmbH Germany



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Introduction

Managing scars to prevent scarring is crucial following surgery or trauma, as it can have both aesthetic and functional consequences. Surgeons increasingly focus on post-operative aesthetics, offering diverse treatments for scar minimization. Recent studies highlight silicone-based treatment's efficacy; particularly silicone gels. Our trial approves the effectiveness of silicone products for surgical wounds, emphasizing aesthetic improvement and patient comfort during healing.

Who We Are

D.G.Dena Company was established in 1999 to serve its esteemed customers and provide top-quality medical products, including skincare and beauty items. With over 20 years of successful experience, a team of specialized and efficient personnel, we are taking great pride in our work. Drawing from the valuable expertise of our long-standing managers and our dedicated, expert team, we believe in offering customers nothing but the best. Consequently, our company is rapidly expanding and advancing in the realm of premium skincare and beauty products. D.G.Dena Company continually strives to deliver exceptional services with the utmost quality to its cherished clientele. Through expansive network of representatives worldwide, we endeavor to forge strong and enduring relationships with our customers.

What is a scar?

Scars are undesirable, yet normal outcome of wound healing. A scar develops as part of the normal process of skin healing. Within 2 to 3 days of a skin injury, scar tissue forms in the wounded area to aid in closure. This scar tissue continues to evolve for several weeks or months.

How does a scar mature?

Immediately after the wound heals, a scar typically appears red and immature. Between 3 months to 2 years, the scar should gradually become lighter and eventually transitioning into a mature one.

What defines a problematic scar?

A scar might be considered problematic if it:

- appears purple or red
- is raised
- feels firm or itchy
- limits movement

Problematic scars are occasionally referred to as Hypertrophic or Keloid scars.

Individuals at risk of developing problematic scars include those with skin types prone to easy scarring, such as Mediterranean, Asian, African, and indigenous Australian skin, and as well as those who experience wounds that take longer to heal (3 weeks or more).

Possible scar treatments

Hypertrophic and keloid scars resulting from surgery, burn, trauma and infection can be associated with substantial physical and psychological distress. Various non-invasive and invasive options are currently available for the prevention and treatment of these scars.

General scar preventative measures include avoiding sun exposure, compression therapy, silicone therapy, taping, and the use of moisturizer. Invasive treatment options include intralesional injections of corticosteroids, cryotherapy, radiotherapy, laser therapy and surgical excision. All of these options may be used alone or as part of combination therapy.

Why silicone for scars?

In the treatment arsenal at the disposal of the plastic surgeon and dermatologist, topical silicone therapy usually is considered the first line of treatment or as an adjuvant to other treatment methods, due to its availability, price, ease of application, lack of serious adverse effects, and relative efficacy.

In other words, silicone sheet and gel are recommended as the current gold standard, first-line non-invasive option for the prevention and treatment of scars on the basis of the results of over 20 recent clinical studies.

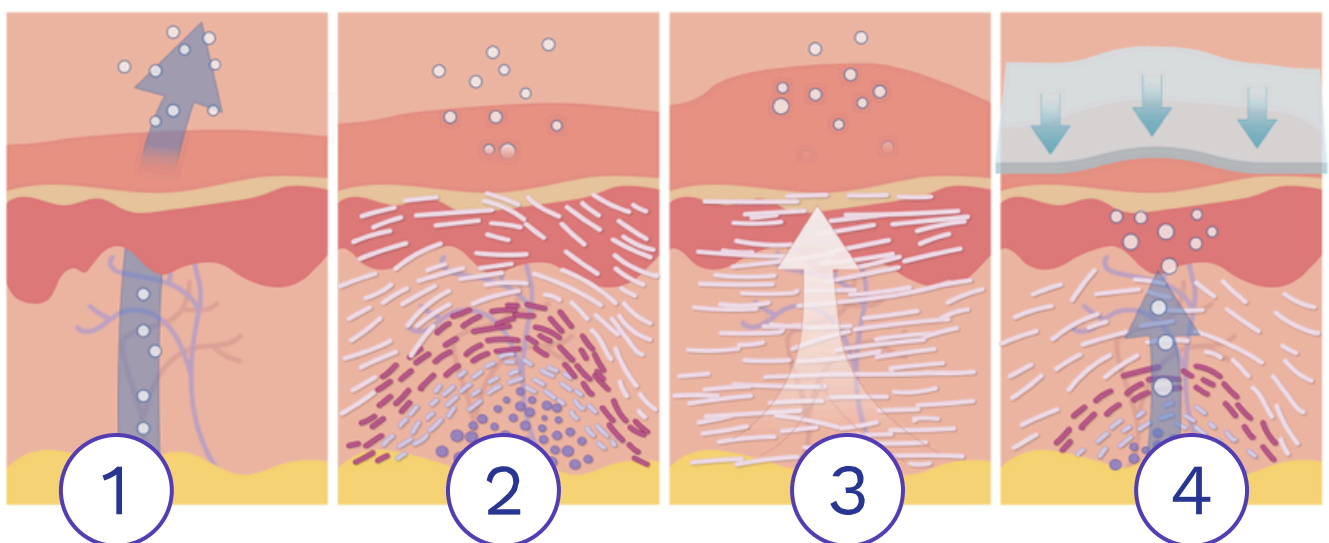
So, while looking at over-the-counter products, make sure to look for one with silicone as the main ingredient.

That's where D.G.Dena Products come in. We offer easy-to-use and cost-effective solutions for managing unwanted scar.

Silicone mechanism of action

Occlusion and hydration of the stratum corneum are now universally accepted as the major mechanism responsible for the action of silicone. Transepidermal water loss is increased following a full-thickness wound and may take over one year to return to pre-wound level. A high loss of water from the epidermis may lead to dehydration of keratinocytes. These cells may then release cytokines to activate dermal fibroblasts to increase collagen production which can lead to excessive scarring.

silicone also raise the surface temperature of the skin, which can increase collagenase activity leading to collagen breakdown. Furthermore, a negative static electric field between the silicone product and the skin may cause collagen realignment, resulting in shrinkage of the scars.



DG Derm Products

We offer two distinct silicone-based products, as silicone stands as the primary ingredient for effective scar management.

Our DG Derm® products are endorsed by dermatologists, plastic surgeons, OB/GYN specialists, orthopedic surgeons, general practitioners, and pediatricians. They are suitable for all skin types and have been specifically formulated to diminish the appearance of various types of scars, including those from Mohs Surgery, Trocar Sites Abdominal Surgery, Abdominoplasty, Bariatric Surgery, Blepharoplasty, Breast Augmentation, Mastopexy, Breast Reconstruction, Breast Reduction, C-Section, and Orthopedic Surgeries. We also recommend incorporating these products into your post-healing routine.



DG Derm® Scar Gel

100% Medical Grade Silicone

Scar Gel is a high-quality, specialized silicone anti-scar gel designed to treat various types of scars. Utilizing a proven silicone therapy protocol, it has been produced under license of Eska Pharma GmbH in Germany after 2 years of laboratory and clinical research. This brand also holds CE certification from Europe.



Description

Scar Gel contains the latest and purest form of medical-grade silicone. Formulated with 100% pure medical-grade silicone at a high concentration, it plays a significant role in the management of both immature and mature scars, effectively preventing and treating various scar types. Scar Gel, owing to its silicone content, acts as a moisturizer, not only preventing excessive moisture loss but also replenishing lost moisture.

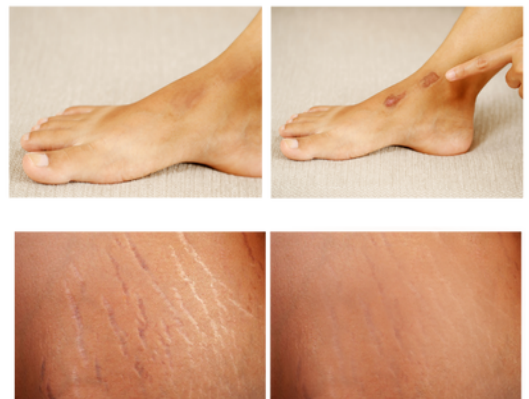
After application, DG Derm® Scar Gel forms a thin, flexible, and semi-transparent layer on the skin, effectively preventing moisture loss from the scar area. This process helps to regulate collagen proliferation in the scar tissue, thereby preventing excessive scar formation.

This product is free from plant and animal extracts, although some of these extracts possess therapeutic and healing properties. The absence of these extracts in scar gel minimizes the risk of sensitivities. Additionally, it is noteworthy that this product is devoid of any type of essence, including fragrance essences, making it an optimal choice for use on children.

Importantly, this product is also non-comedogenic, making it suitable for oily, sensitive, and acne-prone skin types.

Usage

- Keloid Scars
- Hypertrophic Scars
- Atrophic Scars
- Normotrophic Scars
- Surgical Scars
- Traumatic Scars
- Burn Scars
- Acne Scars
- Stretch Marks



Directions

- To prevent and treat scars, first ensure that the wound area is dry, clean, and free from any secretions. Immediately after removing the stitches, apply a thin layer of gel on the scar two to three times daily.
- The minimum treatment period is 8 weeks, applied consistently. In the case of older scars, the treatment period may be longer; therefore, maintaining regular use and completing the treatment course is crucial.
- For older scars, completing the treatment period may take longer; hence, consistent use and completing the treatment course are essential.

REF.	Product
DG150000	Net Wt. 15g (0.53 oz) DGDerm® Scar Gel

Caution

- Do not use if you have a history of sensitivity to silicone (or silicone derivatives).
- For external use only.
- Do not apply this product on open wounds or stitches.
- Avoid contact with mucous membranes (such as mucous areas) and eyes.
- Store below 25 °C.
- Keep out of reach of children.

Side Effects

Due to the lack of systemic absorption of silicone products, they rarely cause secondary local side effects.

Advanced Silicone Scar Sheet

100% Medical Grade Silicone

DG Derm® Scar Sheet is semi-transparent covering made of 100% pure medical-grade silicone. Its elasticity is similar to the skin, making it highly effective in treating various types of scars. It offers a straightforward yet efficient approach to preventing and treating both new and old scars.

- Specialized treatment for various types of scars
- Prevention and treatment of various new and mature scars
- Clinically proven to help fade, flatten, and soften scars
- Self-adhesive and reusable
- Available in 7 different sizes



Description

DG Derm® Silicone Sheets are made of 100% pure medical-grade silicone. Since the discovery of silicone's therapeutic properties in 1982, silicone sheets and products (such as creams and gels) have been widely used to reduce the size, firmness, redness, and itchiness associated with hypertrophic scars, as well as to prevent their formation. DG Derm® Silicone Sheets soften, flatten, and smoothen the scars with the surrounding skin while also reducing surface hyperpigmentation.

Usage

- Keloid Scars
- Hypertrophic Scars
- Atrophic Scars
- Normotrophic Scars
- Surgical Scars
- Traumatic Scars
- Burn Scars



Directions

- First, ensure that the wound area is dry, clean, and free from any secretions and the damaged tissue is in the remodeling phase.
- Then, remove the protective plastic cover of the scar sheet and apply the sticky side to the scar.
- For maximum effectiveness, it is recommended to wear the DG Derm® Scar Sheet for 12 to 20 hours during the day, and during the remaining hours, you can use the DG Derm® Scar Gel 3 to 4 times. (For sensitive skin, it is better to start treatment with one hour per day and gradually increase the treatment duration to 12 hours per day if no sensitivity occurs)
- When using these sheets, be careful to cover about 2 centimeters around the scar and avoid pulling the tape too tightly onto the skin to prevent redness and potential treatment complications.
- The treatment period depends on scar size (approximately 3 to 6 months), but if the scar is not too old or for preventive purposes, 8 to 12 weeks of treatment is sufficient for scar improvement.
- DG Derm® Scar Sheet can be fully used for up to 2 months if stored properly. It is recommended to gently wash these tapes with a mild soap like baby shampoo every week, then lay them on a non-sticky cotton cloth at room temperature to fully dry and reuse. Due to the gradual decrease in the adhesive properties of the silicone sheet during the treatment period, it may be necessary to secure them to the skin with hypoallergenic paper tape after several days.

SHEET SIZE	REF.	APPLICATION
5 * 2/5 cm	DG050025	Small scars
7 * 3 cm	DG070030	Keloids, Laparoscopic surgery
12 * 3/5 cm	DG120035	Abdominal surgeries
15 * 5 cm	DG150050	C-section
30 * 5 cm	DG300050	Abdominoplasty
12 * 10 cm	DG120100	Burn, Traumatic scars
21 * 12 cm	DG210120	Stretch Marks, Discoloration

Caution

- Do not use if you have a history of sensitivity to silicone (or silicone derivatives).
- Scar Sheet should not be used on open wounds, third-degree burns, or stitches.
- Concurrent use of these sheets with other medications is not an issue, but ensure that the area under the Scar Sheet is clean and free from any creams or other medications during use.
- Store below 25 °C.
- Keep out of reach of children.

Side Effects

Due to the lack of systemic absorption of silicone products, they rarely cause secondary local side effects.

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