

Product Profile



3M™ Tegaderm™ Foam Border Dressings

Outstanding solutions for low- to high-exuding wounds

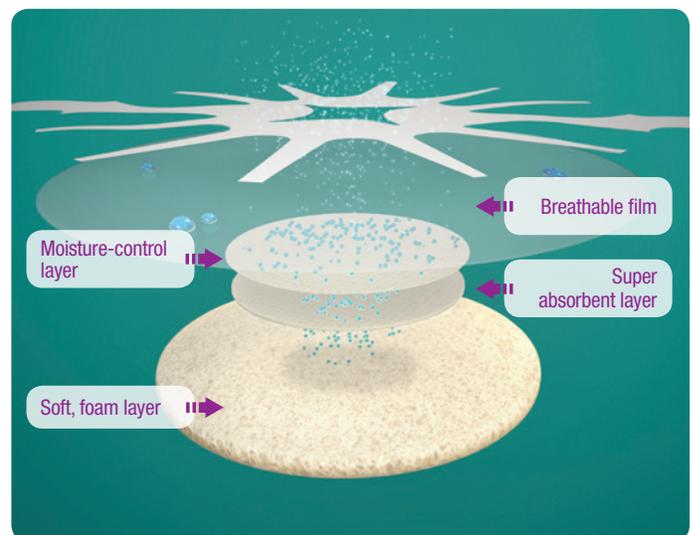
3M has created a line of technologically advanced foam dressings with a unique, layered design. The innovative dressings are capable of handling a range of wound exudate and are suitable for both low- and high-exuding wounds. These Tegaderm™ Foam Border Dressings are now available in two adhesive choices, silicone adhesive which is ideal for fragile and sensitive skin, and traditional acrylate adhesive for long wear time and holding power.

The combination of excellent fluid handling and the adhesive systems is described in detail in this product profile. The line of Tegaderm™ Foam Border Dressings can help clinicians simplify decision making, increase consistency of patient care, manage costs and improve outcomes.

Innovative layered technology delivers exceptional fluid handling

The unique, four-layer design adapts to changing levels of fluid to create an optimal wound-healing environment. The non-adherent, soft foam layer conforms to the wound and rapidly wicks away exudate. The super absorbent layer pulls the moisture further away from the wound, prevents backward migration and reduces the risk of maceration.

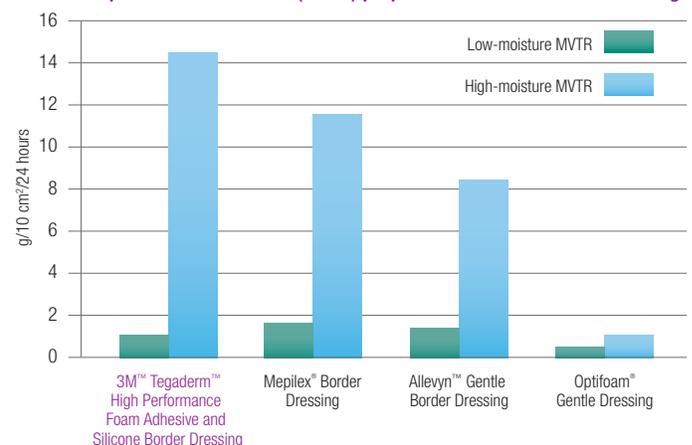
The moisture control layer facilitates rapid evaporation through the film. This layer also helps maintain the optimal moisture balance and extend wear times. The innovative film backing, built from 3M™ Tegaderm™ film expertise, serves as a highly breathable cover. On the border the adhesive secures the dressing in place and provides a critical viral* and waterproof barrier.



Technology to achieve an optimal healing environment

Moisture vapor transmission rate, or MVTR, describes the breathability of a dressing in respect to wound moisture. In bench testing, 3M™ Tegaderm™ Silicone Foam Border Dressing was found to have high breathability when the dressing was saturated with liquid (simulating a high-exuding wound). The test also demonstrated that the dressing has less breathability in the presence of moisture vapor only (simulating a low-exuding wound).

Moisture vapor transmission rate (MVTR) properties of foam adhesive dressings



*In vitro testing shows that the transparent film provides a viral barrier from viruses 27 nm in diameter or larger while the dressing remains intact without leakage.



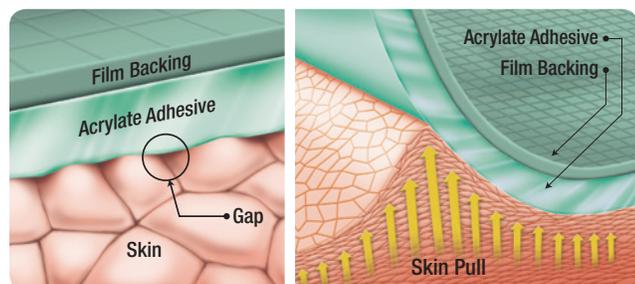
The science of securing to skin: Two adhesive choices offer the flexibility you need

Since the development of the first hypoallergenic tape, 3M™ Micropore™ Surgical Tape, 3M has continued to innovate the design and formulations of adhesives for stick-to-skin products. Within the 3M™ Tegaderm™ Foam family of dressings, 3M now offers two adhesive systems to meet all your patient needs.

3M™ Tegaderm™ High Performance Foam Adhesive Dressing features acrylate adhesive, which secures to difficult body contours (heels, elbows, etc.) as well as to both dry and moist skin. 3M™ Tegaderm™ Silicone Foam Border Dressing is designed with a gentle 3M silicone adhesive and is the ideal choice for fragile and at-risk skin.

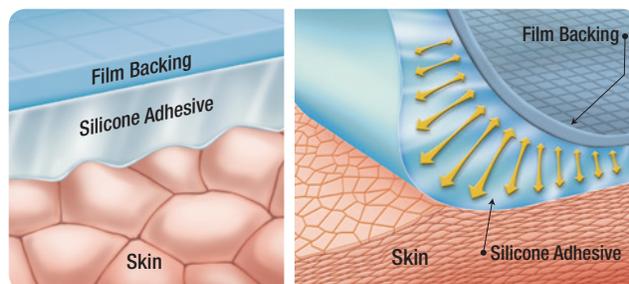
3M's 85 years of experience in adhesive technology has enabled us to develop adhesive-based products in a variety of formulations to meet the needs of clinicians and their patients and help them choose the right solution for the right situation.

Acrylate adhesive



Acrylate adhesive initially adheres to the skin cells closest to the top, leaving some gaps in adherence. Over time the adhesive fills the gaps and strengthens as it forms a tighter bond with the skin, making it ideal for situations where increased securement or longer wear are needed.

Silicone adhesive



Silicone adhesive conforms to the uneven surfaces of the skin immediately and remains constant throughout wear time. Unlike acrylate adhesives, silicone adhesives have lower surface tension, making them the preferred choice for those patients with at-risk or fragile skin or when more frequent dressing changes are required.

Silicone adhesive is ideal for fragile and sensitive skin

Confocal microscopy is a technique that creates sharp images of a specimen that would otherwise appear blurred when viewed with a conventional microscope. This method was used to illustrate the gentle-to-skin properties of Tegaderm™ Silicone Foam Border Dressing.

The 3M silicone border was placed on skin and worn for 24 hours. As you can see, the confocal image taken after removal reveals there were few skin cells present on the silicone border, and minimal epidermal cell stripping. This visually demonstrates that the Tegaderm™ Silicone Foam Border Dressing provides gentle, atraumatic removal, and is an ideal choice for patients with fragile skin.

3M Silicone Adhesive

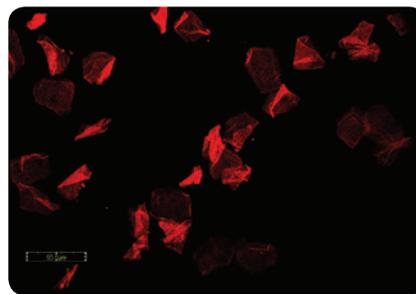


Image shows minimal skin cells and hair (in red) that were stripped during removal.

For more information about the 3M™ Foam family of products, visit www.3M.com/Tegaderm-Foam, contact your 3M Critical & Chronic Care Solutions representative or call the 3M Health Care Customer Helpline at 1-800-228-3957. Outside of the United States, contact the local 3M subsidiary.

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Tegaderm™ Foam Silicone
Part of the Full Line of Tegaderm™ Brand Advanced Wound Care

Tegaderm™ High Performance
Foam Adhesive Dressing