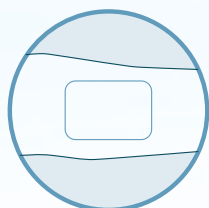


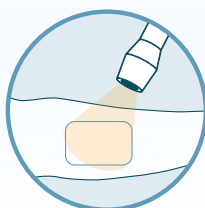


Enlightened thinking

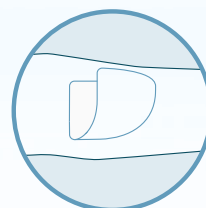
A GENTLE CHANGE IN WOUND CARE



APPLY



SWITCH



REMOVE

MARSI: An under-recognised and serious complication

Medical Adhesive-Related Skin Injury (MARSI) is a common type of skin injury which is often seen in vulnerable patients with fragile skin such as elderly or paediatric patients.

It is caused by trauma to the skin from medical adhesives, and typically manifests as:

- Skin tears
- Blistering, moist or macerated skin
- Folliculitis
- Skin-stripping
- Superficially denuded skin

Regimens and adhesives have been developed to minimise the incidence of MARSI, but it has proven difficult to achieve satisfactory adhesion while also avoiding skin damage.

MARSI can severely reduce the patients' quality of life by causing pain, increased risk of infection and delayed healing. A study in an elderly long-term patient population has proved that the incidence rate of MARSI was as high as 15.5%*.

Even though MARSI has been under-recognised historically, its proven prevalence has brought attention to the problem both in the research literature and among health care companies.

Source: WoundsUK; 3M; WoundSource
Notes: *) Konya et al, 2010

Preventing Skin Damage

Skin damage due to the use of medical dressings is a real problem in today's health care. The problem is well documented and there is a broad agreement among users and dressing manufacturers that measures need to be taken to minimise the suffering and the cost resulting from this problem*. Lumina has set out to solve this!

In 2008 Lumina was founded to make a difference in the medical dressing field. Lumina's adhesive is an innovation. It is a switchable medical adhesive with strong fixation and easy removal.

During the dialogue with healthcare providers it became clear that a large number of patients are not covered by the focus areas of existing medical dressing offerings.

With the innovative new adhesive, you can now have the best of both worlds – strong fixation with easy and skin friendly removal.

Less pain for children, reduced skin injury for the elderly or patients with weak skin and easier, quicker dressing removal for nurses.

The Lumina dressing's consist of a thin polyurethane membrane, coated with a layer of an innovative switchable adhesive. The dressing, which is permeable to both water vapour and oxygen, is impermeable to micro-organisms once in position, it provides an effective bacterial barrier to external contamination. When applied, the adhesive is strong and offers secure adhesion to the skin.

Switching occurs by the use of the Switch Torch supplied by Lumina. Before removal, the dressing is illuminated with the Switch Torch for a few seconds using a specific wavelength of light. The adhesive strength is significantly reduced through illumination and the dressing removal can be performed easily, without causing skin damage.

*J Wound Ostomy Continence Nurs. 2013.



The Dressings

Lumina develop unique dressings. We combine strong fixation and a skin-friendly removal, without skin trauma and discomfort for the patient. Apply on the skin as you would normally do with any other medical dressings.



Performance		Good	Best
Removal Comfort		<div><div></div></div>	<div><div></div></div>
Strength		<div><div></div></div>	<div><div></div></div>
Water Resistance		<div><div></div></div>	<div><div></div></div>
Skin Damage Prevention		<div><div></div></div>	<div><div></div></div>

■ Red Acrylic ■ Blue PU

FILM DRESSINGS

Film Dressings are available in 2 different versions.

The Acrylic adhesive version (Red) is optimised for superior strength. The Polyurethane (PU) version (Blue) is optimised for superior comfort upon removal.

Both versions are scientifically proven to prevent skin damage.

- Film dressing with switchable Acrylic or PU adhesive.
- Print to identify as switchable dressing.
- Sterile, single use.
- Class 1s | CE marked

Red Acrylic:
5x7,2cm | 10 pcs | Art no. 1000139
10x12cm | 10 pcs | Art no. 1000140
15x15cm | 10 pcs | Art no. 1000141

Blue PU:
5x7,2cm | 20 pcs | Art no. 1000411
10x12cm | 20 pcs | Art no. 1000412
15x15cm | 20 pcs | Art no. 1000413

POST-OP DRESSING

- Post-op dressing with a non-adhering absorbing pad.
- Switchable PU adhesive.
- Print to identify as switchable dressing.
- Sterile, single use.
- Class 1s | CE marked

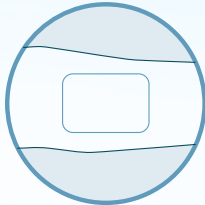
Blue PU:
6x10cm | 20 pcs | Art no. 1000409
10x15cm | 20 pcs | Art no. 1000410

The Switch

To remove the film dressing illuminate it with the Switch Torch provided. This step takes a few seconds for each area that is illuminated. The adhesive has now become non-sticky and the dressing can be easily removed. No residuals remain on the skin.

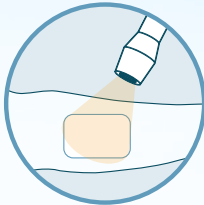


STEP 1



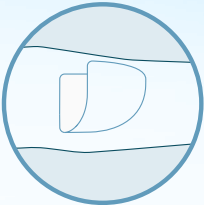
Apply dressing.

STEP 2



Illuminate with the Switch Torch before removal.

STEP 3



Remove dressing. Easy, gentle wound care.

SWITCHING TORCH FOR LUMINA DRESSINGS

- Made out of anodised aluminium.
- Supplied with batteries.
- Can be used with rechargeable batteries (not included).
- Class 1 | CE marked

An alternative to using the torch is to make use of sun light. Even if the patient is sent home, the patient can still make use of the switch.

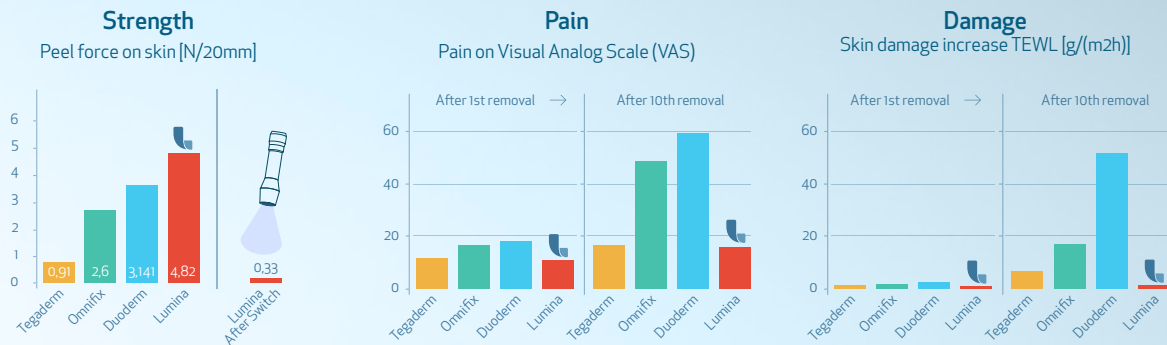
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Clinical evidence

Assessment of Barrier Damage of Adhesive Dressings after Repeated Applications and Removal

Source: proDERM Institute for Applied Dermatological Research, Schenefeld/Hamburg, Germany. Study no. 14.0364-23



Patient Studies

Three studies of 50 patients (150 in total) were conducted in Germany making use of Lumina's post-op and film dressings. The studies focused on the usability of dressings with switchable adhesive in a clinical setting and the use of the Switch Torch. The results show that both user and patient would use the product again.

1. Switchable Film Dressing and NPWT

The study was initiated to evaluate if the switchable formulation of the adhesive ensures a durable and effective occlusion of the dressing and function of NPWT. Also that the defined adhesion is in the range of patient and user satisfaction.

Products used:

Film dressings 140 & 141 (acrylic)
Switch lamp 1000520

2. Switchable Post-Op Dressing

The study evaluated suitability for use, as well as user and patient satisfaction during the use of the tested post-operative dressings for the use on post-surgical wounds for routine wound care.

Products used:

Post-op dressings 409 & 410 (PU)
Switch lamp 1000520

3. Switchable Dressings on elderly skin with chronic wounds

This study evaluated the suitability of using switchable dressings as well as user and patient satisfaction. The included patients were elderly with chronic wounds.

Products used:

Film dressings 411 & 412 (PU)
Post-op dressings 409 & 410 (PU)
Switch lamp 1000520



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