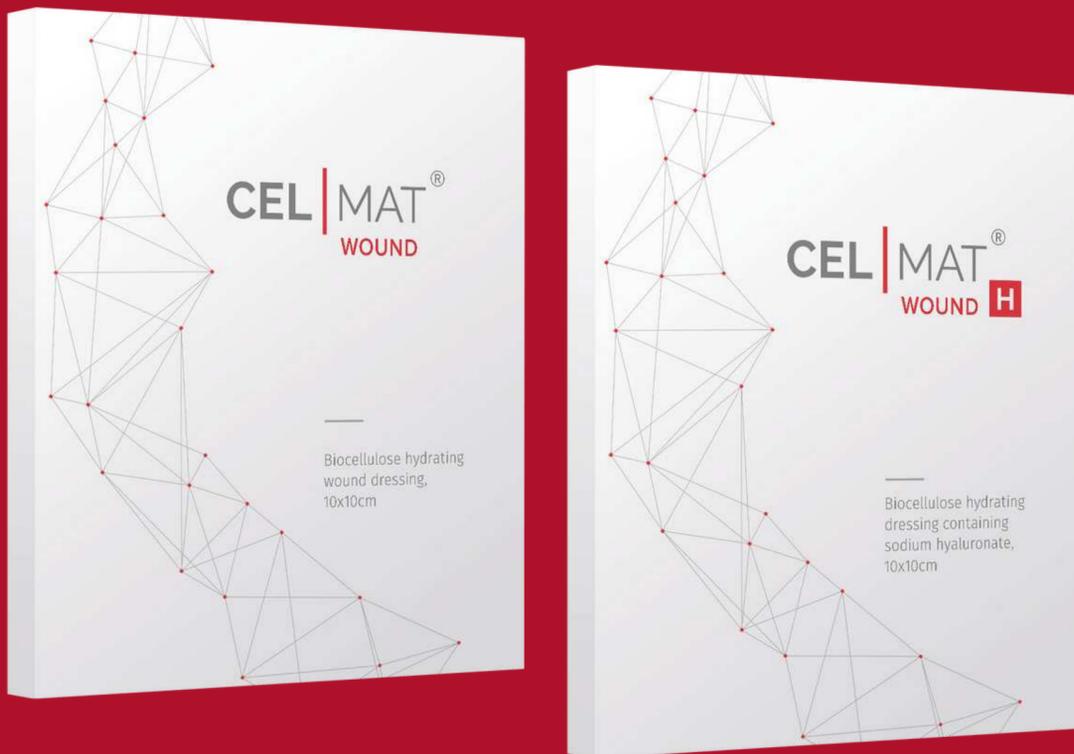


**BOWIL | BIOTECH**

Concept of ideal biomaterial



## Biosynthesized cellulose wound dressing

Dedicated to:

- skin-burn & chronic wound care experts
- physicians
- aesthetic medicine practitioners
- beauty salons & wellness centers



**CelMat® Wound** is a sterile Class IIb medical device for use on skin-burns and granulation tissues, for the treatment of various types of chronic wounds.

Soft and flexible dressing form ensures excellent wound adhesion, fitting perfectly into irregular anatomical contours, hard-to-reach places.

Biocellulose dressings have good ability to transfer of drugs and antiseptics. Changing the dressing is carried out without additional wound irritation, the transparency of biomaterial allows easily observed the healing stages.

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**BIOCELLULOSE** is a non-toxic, ultrapure and natural biomaterial with extraordinary features that distinguish it from other materials used in implantation or dressings. Due to its unique properties is used in the production of advanced medical devices under the CelMat® brand.

- wounds healing with granulation phase (e.g. diabetic foot)
- burn of 1st and 2nd degree
- after aesthetic medicine treatments for wounds and edemas
- after cosmetic treatments for skin irritation and swelling
- treatment of atopic skin lesions

The effectiveness and clinical value of CelMat® Wound dressings has been confirmed in a number of research conducted in key medical institutions in Poland:

- Burn Treatment Center, Siemianowice Śląskie
- Dermatology and Venereology Clinic, Łódź
- Center of modern medicine TRICLINIUM, Warsaw

The process of wound healing in moist environment creates perfect conditions for proper autolytic debridement, helps in the migration of nutrients within the wound. During treatment was noted a significant decrease in the presence of necrotic tissue at the bottom of the wound, the process of re-epithelialization was much shorter. After application of CelMat® dressings was not observed signs of extensive scarring and the necessity of skin grafting.



## BIOCELLULOSE WOUND DRESSING



CelMat® Wound dressing is made of an all-natural, non-toxic and hypoallergenic material. Thanks to its high water content, provides an immediate cooling effect, significantly reducing the pain. A biocellulose compress fulfills the excellent conditions for wound healing by relieving inflammation and stimulating cell regeneration.

The dressing is a protective barrier against bacteria and microorganisms while ensuring thermoregulation, gas exchange and a moist environment of the application site. The medical device can be safely used on very dry, hypersensitive and atopic skin.

## STRENGTHS OF BIOCELLULOSE WOUND DRESSING

- reduces the risk of hypertrophic scars
- accelerating cell and tissues renewal
- excellent conditions for wound healing
- immediate cooling effect for comfort and pain relief
- wound exudate absorption
- preventing from infections and external environment
- appropriate thermoregulation and gas exchange
- unique 3D-nanostructure provides high durability
- hypoallergenic, non-cytotoxic & non-irritating

BEFORE



AFTER



BEFORE



AFTER



## BIOCELLULOSE WOUND DRESSING WITH SODIUM HYALURONATE



The sodium hyaluronate has antifungal properties, a softening and antipruritic effect on the skin around the wound. It enhances hydration, simultaneously revitalizing the skin and accelerates cell renewal.

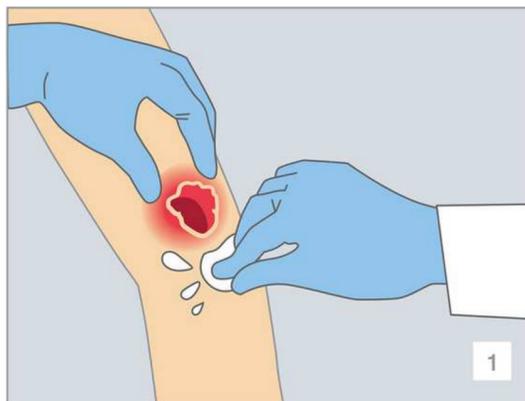
This biopolymer retains wound exudate in dressing, forms a protective **layer on the epidermis and stimulates its reconstruction.**

The sodium hyaluronate significantly improves the regeneration time of damaged tissues, supporting wound healing. Sodium hyaluronate exhibits anti-inflammatory and protective **properties against postoperative bacterial and yeast infections**, which is especially important in hard-to-heal wounds. The use of a hyaluronate dressing at the re-epithelialization stage **reduces the risk of hypertrophic scars** and restores the natural elasticity and skin appearance.

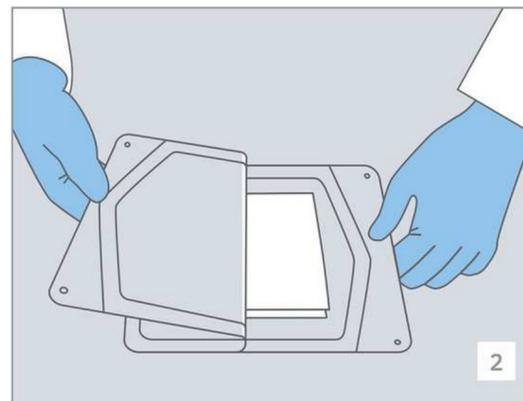
PRODUCT	TYPE	INGREDIENTS	CE
CelMat® WOUND	10x10 cm	Purified Water [Aqua] Biocellulose	2274
	10x20 cm		
	10x30 cm		
CelMat® WOUND H	10x10 cm	Purified Water [Aqua] Biocellulose <b>Sodium Hyaluronate</b>	2274
	10x20 cm		
	10x30 cm		

## Instruction for Use

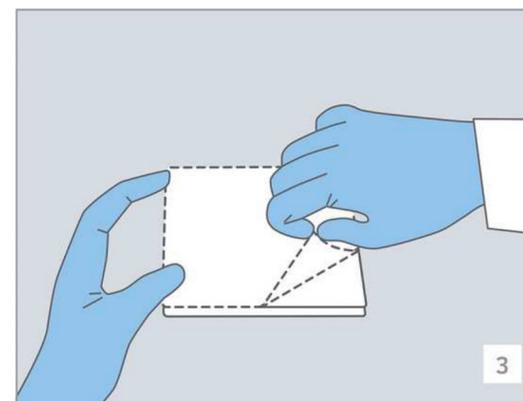
The frequency of CelMat® Wound application has to be consulted with a physician. Medical device class IIb for professional use.



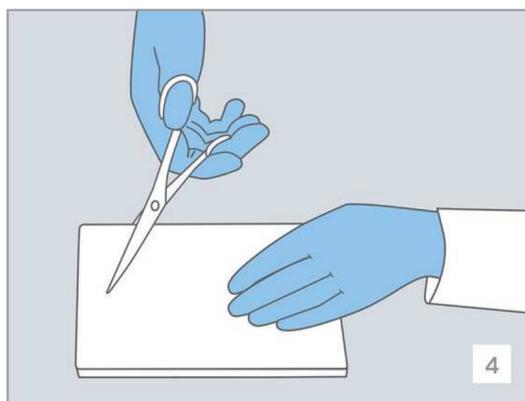
Cleanse thoroughly the place of application of CelMat® Wound.



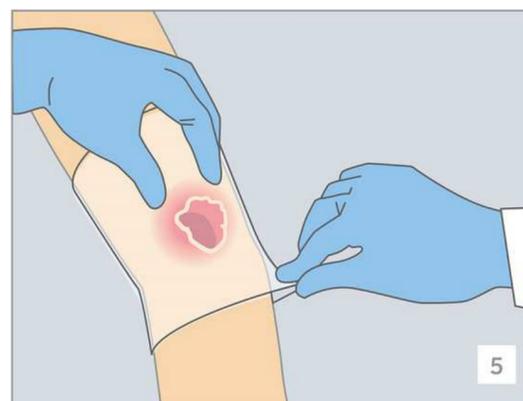
Open the sterile packaging.



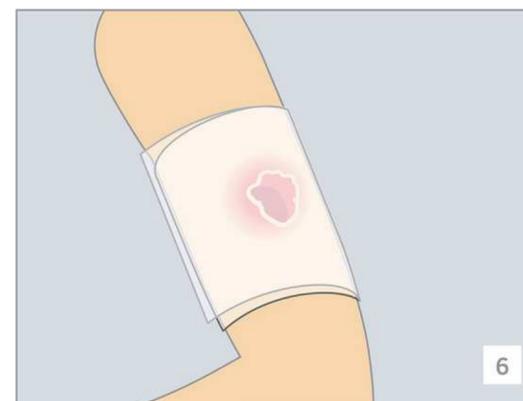
Remove the protective fabrics from both sides.



If required, the dressing can be adjusted to the desired size using sterile scissors.



Either site of the dressing may be used. CelMat® Wound can be applied up from 30 to 120 minutes.



Optionally, CelMat® Wound can be covered with a secondary polyurethane foil dressing. Then, the application time can be prolonged to 24h.

## Manufacturer

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