

AKTISCHICHT

WOUND CARE SOLUTIONS

sterile | antibacterial | anti-biofilm | transparent | flexible | degradable
adjustable to the shape of the wound bed | porous | permeable
applicable on joints | 3D structure similar to extracellular matrix



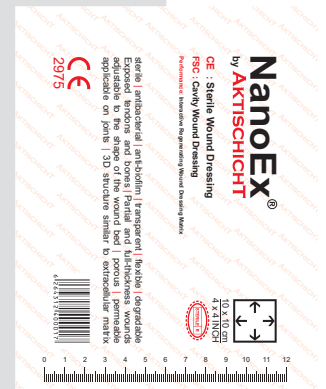
NanoEx®

by **AKTISCHICHT**

NanoEx by AKTISCHICHT is an interactive wound dressing matrix, with regenerative properties.

It is an innovative, phenomenal new therapy in chronic wound (a silent epidemic) healing, the result of years of research in wound treatment, manufactured in a state-of-the-art production facility and categorized as an affordable active quality product.

This interactive regenerating wound dressing matrix has components, 3D structure and scaffolds similar to the extracellular matrix that all together facilitate accelerated reconstruction of the deep layers of the skin (i.e., derma). It makes it an affordable effective artificial extracellular matrix or skin substitute (3rd line of wound therapy) even applicable from the exposed bone/tendon level.



ADVANTAGES AND PROPERTIES

- Active Regenerative Wound Healing Properties
- Anti-Inflammatory Properties
- Antimicrobial and Anti-Biofilm Properties
- Optimizing Moisture and PH of the Wound Bed
- Porous, Breathable and 100% Transparent
- Cuttable Dressing
- Biocompatible and Biodegradable in Wound Bed
- Flexible and Adjustable to the Shape of the Wound Bed
- Usable in All Phases of Wound Healing
- Moisture-vapor Permeable
- Significant Reduction of the Wound Healing Time
- Reduction of Scar Tissue Formation
- Applicable on Exposed Tendons and Bones
- Applicable on the Joints Without Restricting the Joint Movement
- Painless Application and No Need to Change
- Partial and full-thickness wounds



INDICATIONS

- Diabetic foot ulcer (DFU)
- Decubitus/bedsores/pressure ulcer
- Burn wounds
- Traumatic wounds
- Skin grafts/donor sites
- Surgical wounds
- Cavity wounds
- Infected and non-infected wounds
- Dry wounds/Low to moderate exudation
- Partial and full-thickness wound





AKTISCHICHT interactive regenerating wound powder dressing is a phenomenal modern active wound therapy that is the result of years of research and several innovations some of which are patented. In our State-of-the-Art clean room with our patented AKTISCHICHT technology and know-how, we manufacture a super-absorptive dry powder containing several micronized components that can access hard-to-reach cavity or tunneling wounds and maximizes contact with irregular wound beds.

It should be applied to the prepared wound (standard wound preparation) and it will transform into a covering dressing on the wound surface in a few minutes when it comes into contact with wound exudate. For dry wounds, the powder can be hydrated with normal saline on the wound bed or in a tray. This covering dressing will have a special 3D matrix structure and can be considered as an artificial extracellular matrix (ECM) that produces an optimized healing environment and accelerates regeneration significantly.



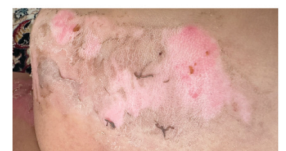
ADVANTAGES AND PROPERTIES

- Active Wound Therapy
- Anti-Inflammatory Properties
- Antimicrobial and Anti-Biofilm Properties
- Optimizing Moisture and PH of the Wound Bed
- Porous and Breathable
- Access Hard-to-reach Cavity or Tunneling Wounds
- Maximize Contact with Irregular Wound Beds
- Flexible and Adjustable to the Shape of the Wound Bed
- Usable in all Phases of Wound Healing.
- Biocompatible and Super-absorptive in Wound Bed
- Absorbs Excessive Exudate in Moderately to Highly-Exuding Wounds
- Moisture-vapor Permeable
- Significant Reduction of the Wound Healing Time
- Reduction of Scar Tissue Formation
- Applicable on Exposed Tendons and Bones
- Applicable on the Joints Without Restricting the Joint Movement
- Painless Application and No Need to Change



INDICATIONS

Cavity wounds
Tunneling wounds
Partial and full-thickness wounds
Burn wounds
Traumatic wounds
Skin grafts/donor sites
Surgical wounds
Infected and non-infected wounds
Exposed tendons and bones
Diabetic foot ulcer (DFU)
Decubitus/bedsores / pressure ulcer
Venous leg Ulcer(VLU)
Wound with Moderate to Heavy Exudate



Interactive Regenerating Wound Dressing Matrix



Male, 68 Y
Cardiovascular Disease (CVD), Chronic Kidney Disease (CKD)
Diabetic Wound
3 weeks



Male, 57 Y
Cardiovascular Disease (CVD), Chronic Kidney Disease (CKD)
Diabetic Wound
7 weeks



Male, 18 Y
Pilonidal Sinus
4 weeks



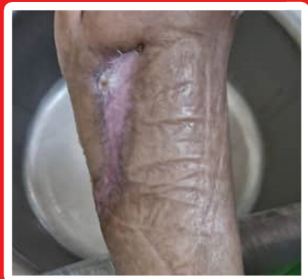
Male, 50 Y
Cardiovascular Disease (CVD)
Diabetic Wound
5 weeks



Interactive Regenerating Wound Dressing Powder



Female, 68 Y
Neuropathy
Diabetic Wound
8 weeks



Boy, 1 Y
Deep Burn Wound
8 days



Male, 80 Y
Pressure Ulcer
Cardiovascular Disease (CVD), Chronic Kidney Disease (CKD)
6 weeks



Female, 50 Y
Neuropathy
Diabetic Wound
6 weeks



NanoEx Measurements:

- Pouch Size: 19.3 x 15 x 1 cm
- Box Size: (5 Pcs) 19.5 x 15.5 x 5.5 cm
- Carton Size: (180 Pcs) 50 x 50 x 50 cm
- Carton Weight: 9 KG

Nano Fanavaran Narin Teb
AKTISCHICHT Nano F. N. Teb ACTA1 holding, No. 1462
Pharmaceutical Incubator Center of Tehran University
of Medical Sciences, North Kargar St., Tehran, Iran

EC REP
AKTISCHICHT & ADLER GmbH,
Ernst Abbe Str. 12,
60438 Frankfurt am Main, GERMANY

CH REP
ACTA1 GmbH,
Zollikerstrasse 204
CH 8008 Zurich, SWITZERLAND