

# Overview of commercial wound dressings

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## Abstract:

Many different types of wound dressings are available commercially today. Choosing the right dressing is crucial for the wound healing process. With so many different products available, it can be difficult to distinguish between them, find the differences, and ultimately make the best choice. This is a challenge for professionals and non-professionals such as patch users and pharmacy customers. Therefore, this study aims to provide an overview of the characteristics of the most frequently used commercial dressings, providing a helpful overview for practitioners and researchers.

**Keywords:** *dressing, wound healing*

Wound dressings are materials that are applied to wounds in order to promote healing, prevent infections, and protect the wound from further injury. These dressings come in various forms and types, each of which has its own unique benefits and purposes. The main objective of any wound dressing is to create a moist environment for wound healing, which aids in the growth of healthy cells and facilitates the healing process.

The dressings department is a very large and rapidly growing sector in the medical device market, the needs of which are crucial for the proper treatment of wounds of various origins. Currently on the market. There is a very large group of dressing materials that can be easily classified taking into account various criteria, such as: function, type of raw material, form of the material.

The raw materials from which typical dressing materials are produced are usually cotton, cellulose fibers, alginates, as well as polyamides, polyurethanes or other synthetic or artificial polymers. They may be in the form of polymer films, non-woven alginate dressings, polymer foams, hydrogels, hydrocolloids, impregnations or ointments or skin substitutes. Wound dressings play a key role in the wound healing process as well as achieving optimal wound healing moisture balance in the wound. The main goal in the wound healing process is to eliminate and control all factors that prevent healing and the creation and maintenance of conditions conducive to healing. The right choice of dressing can and should have a significant and crucial impact on wound healing made on the basis of a comprehensive wound assessment, but also in accordance with the latest guidelines and trends, based on the patient's preferences, based on the history of wound treatment and the existence of additional factors (e.g.: diseases) affecting the healing process.

**ACKNOWLEDGEMENT:** *Scientific work/publication co-financed from the state budget as part of The Ministry of Education and Science within the program "Science for the Society" project no.: NdS/547745/2022/2022, grant amount: PLN 1 315 370.00 total project value: PLN 1 315 370.00.*



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