

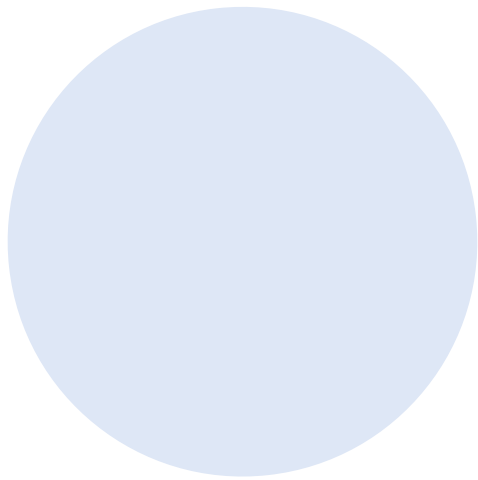
PRODUCTS AND EXPERTISE FOR DISTRIBUTORS AND HEALTHCARE OPERATORS



# Static Support Surfaces

[www.biomatrix.it](http://www.biomatrix.it)





Authorised retailer

# Summary

Introduction	4
Mattress overlays and mattresses in polyurethane foam	6
Mattress overlays and mattresses in siliconized hollow fiber	7
Pillows	8
Bed rail bumpers	9
Protective covers in polyurethane	10

# Static support surfaces

A wide choice of models and materials to guarantee the prevention of pressure ulcers.

## How to choose the best solution?



**B**code

Find on-line info on this category right now just by shooting this code

## ○ Mattress and Mattress overlays choice

The first fundamental step is the assessment of the patient's risk of decubitus. After a careful examination by the medical staff, it is advisable to determine the need to use an anti decubitus mattress or, in some cases, a mattress overlay to be applied over a conventional mattress.

*There are also mattresses for stretchers, suitable for patients with a low risk of skin lesions.*

What is the patient's risk of decubitus?



LOW RISK



MIDDLE RISK



HIGH RISK

## ○ Cover Selection

The choice of the ideal cover is crucial: the material that composes it must reduce the risk of the patient's skin damage as much as possible, guaranteeing the breathability of the fabrics. The cover must also protect the surface of the mattress from dirt and liquids: that is why we can propose different types of materials and closures

### Available closures types

Zipper



Elastic edges



uncovered /  
covered with a lap

on 2/3 sides of  
the mattress

### Type of material

Breathable

Fireproof

Bielastic

Non-shrink

Waterproof

## ○ Accessories selection

### Bed rail bumper

fall management and prevention



### Supports

relieving pressure of the lower limbs



## ○ Pillows selections

### Material

made of Polyurethane

made of Polyurethane



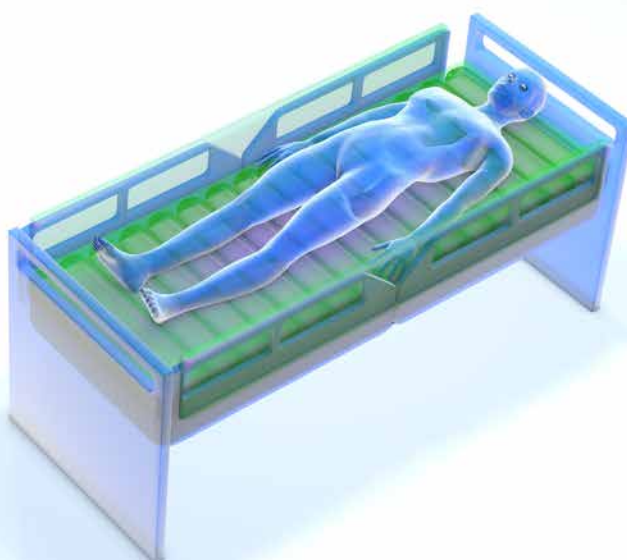
## Ideal for:



Intensive Care Unit



Long-term care



# Mattress overlays and mattresses in polyurethane foam

Polyurethane foam mattresses have **excellent characteristics** in terms of:

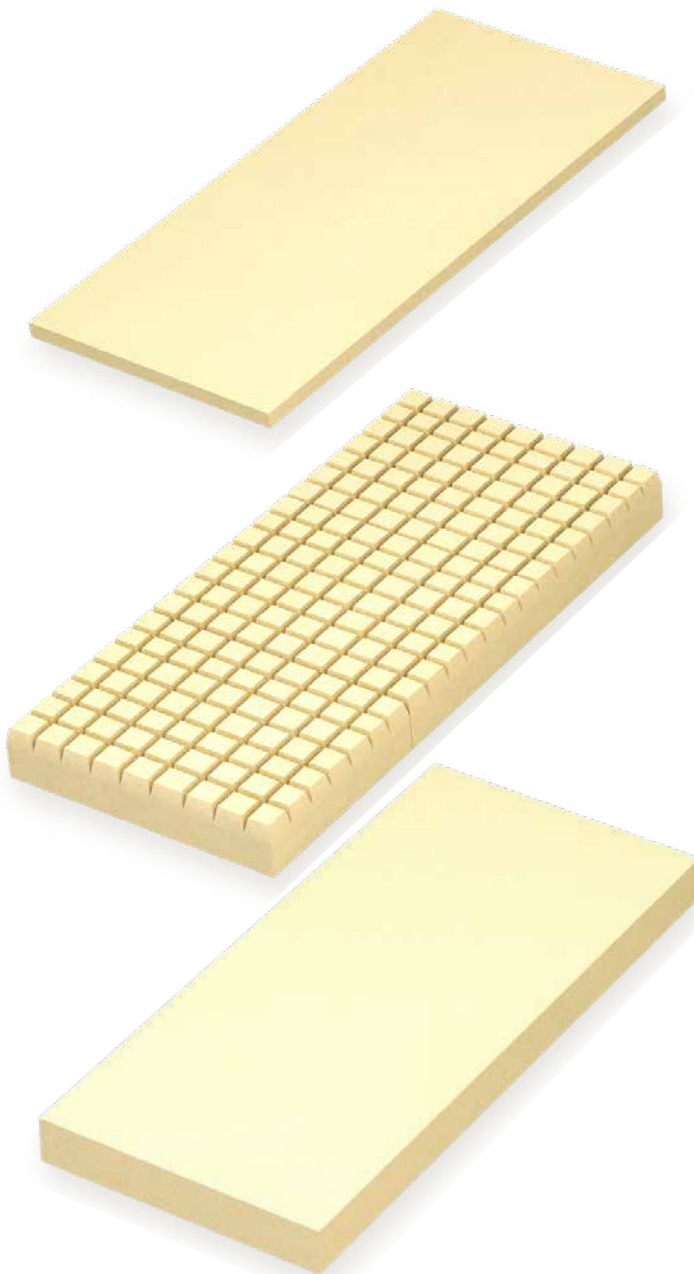
**Resilience:** polyurethane foam mattresses have an excellent elasticity, even under high pressures they manage to return to their own original form;

**Density:** the specific weight of the expanded polyurethane foam has a high density, which improves its quality and durability;

**Breathability:** the foam mattresses, thanks to the cellular structure, they can perfectly disperse the heat and water vapor accumulated during the hours of rest;

**Firmness:** one of the most important characteristics of polyurethane. The high bearing capacity makes the mattresses able to follow the shapes of the body and to support it during rest.

STATIC SUPPORT SURFACES



MA01410



## Mattress overlays

Used to enhance the comfort of bubble or element mattresses. They help to increase the support capacity of the mattresses, to distribute the patient's weight optimally.

MA005



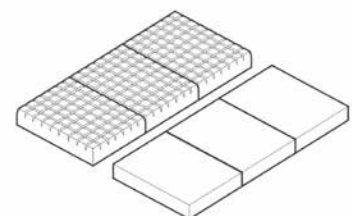
MA005L



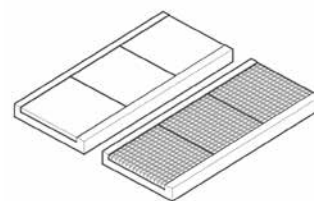
## Static anti-decubitus mattresses in straight, or ventilated polyurethane foam

Available in high density self-extinguishing polyurethane foam. Available in single sheet or divided into 3 sections (suitable for adjustable and articulated hospital beds). (ONLY FOR THE VENTILATED) The peculiar squares divided surface creates air ventilation which allows reducing the patient's sweating while favoring the breathability of the skin.

Realized  
in three  
sections



## Mattresses with base and reinforced sides, with viscoelastic internal part

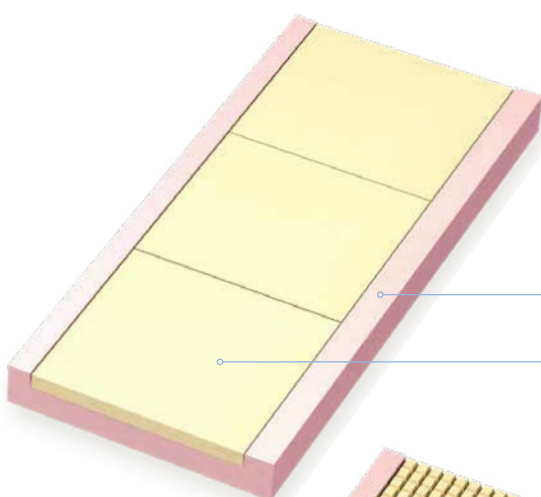


Memory foam mattresses are composed of a viscoelastic foam, or a different type of polyurethane foam, and are usually supported by a layer of polyurethane foam which serves as a base to support the memory foam, but also to allow the mattress to disperse more easily humidity and heat.

The supporting structure and the stiffening edges are made of high-strength polyurethane foam (density 40m<sup>3</sup> kg) to better support every movement of the patient.

The supporting structure and the stiffening edges are made of high-strength polyurethane foam (density 40m<sup>3</sup> kg) to better support every movement of the patient. The internal surface, which can be made in 3 removable sections, is in viscoelastic material (density 60 kg / m<sup>3</sup>), allows perfect adhesion of the mattress on articulated beds and facilitates sanitization by operators and the replacement of any damaged parts reducing the maintenance cost.

(ONLY FOR THE VENTILATED) The peculiar squares divided surface creates air ventilation which allows reducing the patient's sweating while favoring the breathability of the skin.

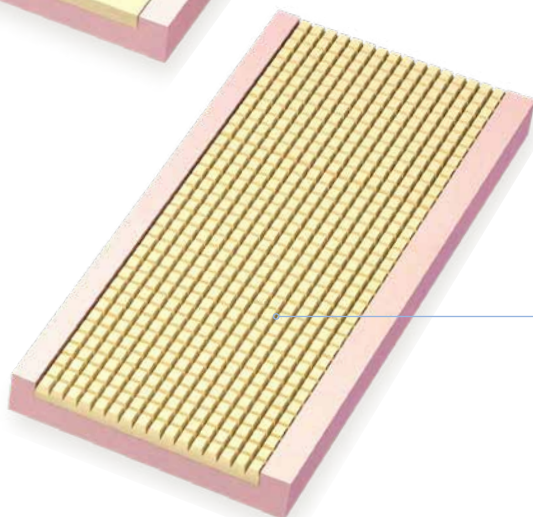


MA006.L



load bearing external part called "cradle"

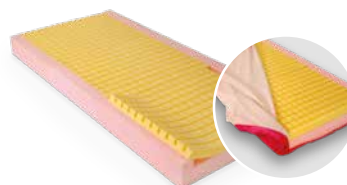
Viscoelastic rectilinear inside



MA006.CB




internal viscoelastic ventilated cubes of 5x5 cm



STATIC SUPPORT SURFACES

BIOMATRIX  
PRODOTTI MEDICALI

	Length	Width	Height	Cover	Availability	Reaction to fire	Polyurethane type
MA01410	190 cm	85 cm	5 cm	✓	Available in different dimensions, fireproof or not fireproof	 Classe 1M	Polyurethane foam ORSOFT 30 FP 30 kg/m <sup>3</sup>
MA005	189 cm	85 cm	14 cm	✓			
MA005L	189 cm	85 cm	14 cm	✓			
MA006.L	195 cm	85 cm	14 cm	✓			Base and sides Polyurethane foam HLC 40 AU/S 40 kg/m <sup>3</sup> Interior part Viscoelastic DS FOAM 60 AU/S 60 kg/m <sup>3</sup>
MA006.CB	195 cm	85 cm	14 cm	✓			
MA01402	189 cm	85 cm	14 cm	✓		non fireproof	Polyurethane foam T-25 IPP/AT 25 kg/m <sup>3</sup>

Warranty: 2 years (excluding parts subject to wear)



# Pillow

## Pillow in polyurethane foam

PG02500

MADE IN ITALY: Available with micro holes.



**Density:** ORSOFT 21 FP/S  
Available pillowcases in cotton or fireproof PU.

### Dimensions

**Length:** 70cm  
**Width:** 40 cm  
**Height:** 10 cm

## Pillow in polyester fiber with cover

PG02501

Pillow in 100% polyester fiber, with cover in fireproof AZ polyester, washable at 60°.



**Padding:** 100% Polyester Fiber  
50% FR + 50% HCX - 6 den 60 mm  
**Origin:** Korea, Irlanda,  
**Type:** FR  
**Weight:** gr 900 ± 30

**Inner lining:**  
100% Poliestere,  
**Canvas:** Trevira CS  
**Stitching:** hem (Trevira)  
**Weight:** gr/m2 115 ± 05

### Dimensions

50x80±1 cm  
**Vacuum packed** Si

Individually vacuum packed

## Gongolo

PG01503

Positioning cushion for bedridden patients, its shape helps the patient to maintain a correct posture in bed, with column alignment and arm – legs pressure relieving. Equipped with armrests, usable as a support surface, Gongolo can be lined with breathable and waterproof fabrics.

Provided with a white label applied on a side, that allows the easy identification of the belonging ward, e.g. during sanitations' procedures. It can be used both longitudinally to the bed and laterally, during the patients' meal.

**Material:** Fireproof PU foam with load-bearing structure.



## Protective Cover for "Gongolo" with zipper closure

PG01503C

**Material:** bielastic polyurethane, breathable, waterproof, antibacterial, sterilizable and supported by a layer of Jersey knit for durability.

### Standard dimensions

**Width:** 63 cm  
**Height:** 45 cm  
**Depth:** 80 cm armrests included



Cover with laces for back support available on request



# Bed rail bumpers

The rail bumpers for hospital beds in polyurethane foam prevent falls and damage caused by accidental bumps of the inpatients in all hospital wards and / or nursing homes, including, for example, those who wake up in a state of agitation from therapies and / or after periods of sedation.

## With cover in PU with zipper



PG01500

### Dimensions

190x38x3,5 cm

Supplied and packed in pairs



PG01501

### Dimensions

90x38x3,5 cm

Supplied and packed in pairs



## With cotton cover



PG01502C

### Dimensions

150x40x3 cm

Supplied and packed in pairs



## Mattress for stretcher in polyurethane foam



MA005BF



Mattress made of high density polyurethane foam 30 kg / m<sup>3</sup> self-extinguishing. Easily adaptable to any type of stretcher, the mattress offers excellent weight distribution and good comfort. Covered in breathable, microporous polyurethane fabric bielastic, waterproof, antibacterial, sterilizable and supported from a layer of jersey knit.

This mattress, thanks to the excellent air permeability, guarantees an advantageous breathability of the patient's skin, also available in 2 or more sections.



### Standard dimensions

**Length:** 187,5/191,5

**Width:** 62 cm

**Height:** 10 cm

Available in various sizes and densities, also not fireproof

### Technical features

**Material:** Poliuretano espanso ignifugo HR30 (densità 30 kg/m<sup>3</sup>)

**Characteristics:** with cover

**Warranty:** 2 years (excluding parts subject to wear)

**Fire reaction class:** Class 1IM

# Protective covers in polyurethane

Protective covers with zip: they prevent the entry of any liquid and / or substance inside the mattress, even during sanitization, preventing moisture, mold, and deterioration of the product.

Available with zip on two or three sides, with a lap covered zip for greater protection of the mattress, or simply uncovered.

Protective covers with elastic: made with elastic along the perimeter to adapt to mattresses of different heights.



## Fire reaction class:

Fireproof class IIM

Approved by the Ministry of the Interior



## Breathable bielastic polyurethane cover with zip



MA02400Z



## Breathable bielastic polyurethane cover with elastic



MA02400E

## Breathable bielastic polyurethane cover with L zip



MA02400ZL

### Material:

bielastic polyurethane, breathable, waterproof, antibacterial, sterilizable and supported by a layer of Jersey mesh for greater durability.

### Hygiene:

for daily cleaning of the covers, we recommend a damp cloth with addition of disinfectant or non-aggressive detergent. The cover is washable at a maximum temperature of 95 ° C and can be autoclavable at 134 ° C for 3 minutes.

### Certification:

OEKO-TEX® standard 100 to guarantee greater safety and protection for the patient's health.

### Dimensions

190x85x14 cm  
or customized on request according to the size of the mattress

## This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



STATIC SUPPORT SURFACES

## **BioMatrix**

Via Maffini, 23 - 29010 San Giuliano di Castelvetro (PC)  
Tel. 0523.826619 Fax. 0523826728  
e-mail: [info@biomatrix.it](mailto:info@biomatrix.it)

All right reserved. Changes may be made without prior notice.  
BioMatrix S.r.l has not to be considered responsible for damages  
resulting from the lack or inaccuracy of the information reported here.

**[www.biomatrix.it](http://www.biomatrix.it)**

