

*Em.An. Srl*



*A new way of sleeping*

*Anti-Reflux Mattress*

# Gastroesophageal Reflux

Gastroesophageal Reflux or gastric reflux is the phenomenon of sent into the esophagus of the contents of the stomach content which has a typical acid nature. It becomes a disease since it is no longer a sporadic phenomenon but it takes on the contours of a chronic disorder, whose recurrent leads to the appearance of symptoms that are sometimes very annoying.

## Sleep Disorders

Discomforts at night that affects breathing:

- hoarseness and recurrent sore throat
- voice changes (dysphonia)
- globus pharyngeus (feeling of a foreign body in the throat)
- chronic laryngitis
- chronic cough in the morning
- recurrent nocturnal asthma
- snoring phenomena
- chronic bronchitis
- sleep apnea
- feeling of suffocation

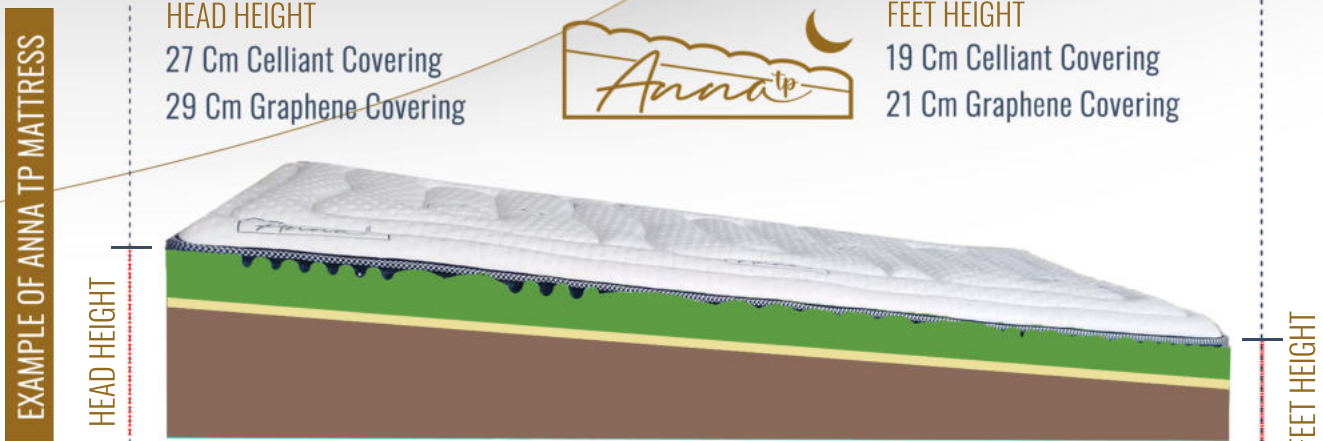
The symptom of heartburn occurs frequently during the night and if the symptoms persist for a long time it can lead to real sleep disorders that worsen the quality of life of those suffering from reflux for a long time.



## Useful tips

The position you assume during rest is fundamental:

- sleeping on your side particularly on the left side and in position on the fetal side rather than the right side or in the supine position, it reduces the effects of reflux;
- sleep with your head raised a few centimeters above your body (about 15 cm) in order to exploit the force of gravity and make it more difficult for the acids to rise up the esophagus;
- attention it would seem that it is not useful to use a bouble pillow, since the use of two pillows, and the torso increasing stomach pressure and worsening reflux.



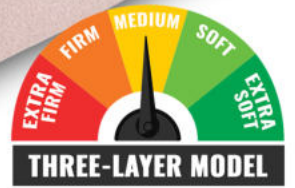
\*Upon request it is possible to customize the mattress for every type of need.



# Celliant Coating



Our "Anna Tp" rest system is the perfect harmony between innovative design and very high quality of the materials used in order to guarantee the customer a refined product of excellence.



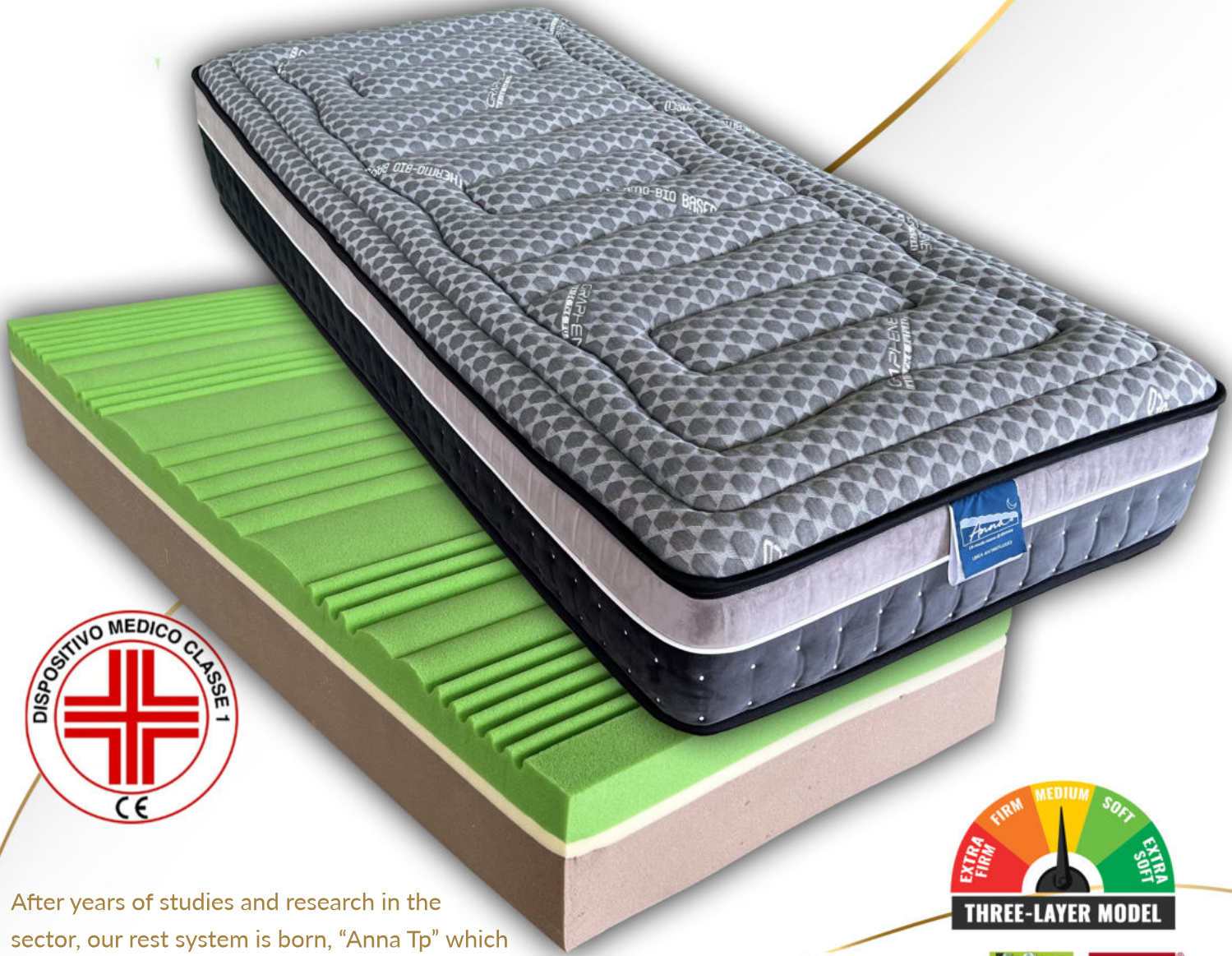
The external covering in "Celliant" is a fabric composed of a registered trademark formula clinically tested which incorporates a combination of 13 minerals within the natural fibre, with a reactive thermal effect, that is, they are activated by body heat and are adsorbed by the muscles and tissues, bringing significant health benefits. The inside of the mattress is made up of three different layers with a solid base from the Terra line series D.45, an intermediate layer in Memory Lr 50/4 and a top of green elm-moss with its intense density to best accommodate with 9 differentiates zones.







# Graphene Coating



After years of studies and research in the sector, our rest system is born, "Anna Tp" which allows thanks to its particular shape to prevent attenuate and control the main pathologies related to gastrointestinal reflux.



Made with the use of refined and innovative materials, the external covering is composed of "graphene inside the future", patented and of plant origin, therefore eco-sustainable, considered the thinnest material in the world with strong properties to absorb and dissipate antibacterial heat and great flexibility used in the bedding sector precisely to improve comfort when in need of rest. Its layered external composition is composed of a solid base ground line series D.45, an intermediate layer in Memory Lr 50/4 and a green OLMOSOFF top with two different densities to best accommodate 9 differentiated zones.





POLYURETHANE FOAM OF NATURAL ORIGIN  
BIO-BASED FLEXIBLE POLYURETHANE FOAM



The new TERRA FOAMS by OLMO are produced using biobased polyols which are activated by plant oils and activators that act as a natural alternative to general agents in the production process. The use of these polyols allows the impact to be reduced throughout the production cycle, while preserving functionality. The use of these polyols allows the impact to be reduced throughout the production cycle, while preserving functionality and physical mechanical characteristics of foams intended for different applications of use. TERRA by OLMO initially offered a range of four different types.



#### OLMOSOFF®

Conventional open cell microcellular foams Highly Innovative Foams with a high technological level. The primary characteristics are excellent elasticity and excellent comfort low deformation, high tear and tensile strength and extraordinary breathability. The range ranges from 12Kg./mc to 45 km./mc with predominantly low lift characteristics. Suitable for both the furniture and bedding sectors.





# Coating Characteristics

## FABRIC WITH GRAPHENE

Graphene Nobel Prize

Graphene is considered one of the most innovative materials existing and is currently the thinnest material in the world, discovered in 2004 by two Russian researchers who emigrated to Manchester and were awarded the Nobel Prize for Physics in 2010.

In our "ANNA Tp" rest system we use "graphene inside the future", a quality that stands out thanks to an international patent because it is of "biopass" origin obtained through an industrial process which uses corn processing waste and is therefore eco-sustainable which

differs from the traditional one obtained from a mineral base. Among its main properties are the proven ability to absorb and dissipate heat, its great flexibility, a characteristic for which it was decided to also use it in the bedding sector to improve the comfort of the person who rests.

Not to be overlooked is its antibacterial effect which helps maintain hygiene in our bed inhibiting growth and the persistence of viruses, bacteria, fungi and odors.



## Celliant® Enhance Your Life - Infra-Red Energy

The celliant fabric is made from a registered trademark formula, clinically tested which incorporates within the first therapeutic textile fibre, a combination of 13 natural minerals with reactive thermal effect capable of increasing the percentage of oxygen in the blood in a few minutes. The minerals are activated by body heat and absorbed from tissues and muscles in the form of IR infrared rays and safe and healthy, thus managing to bring a series of notable benefits for our health as:

- improve blood circulation
- increase in oxygen in the blood
- natural thermoregulation
- increase in energy
- faster recovery after fatigue
- improvement of physical resistance
- recycling fell energy released by the body
- better quality of rest and sleep
- helps increase comfort

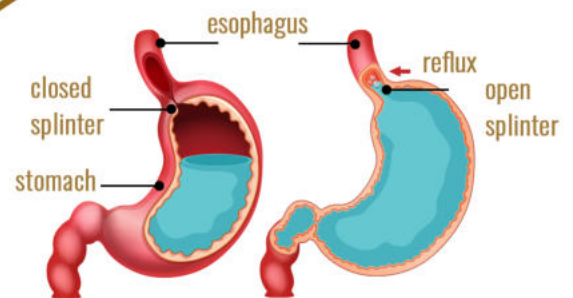
Celliant fabric owes its properties to a natural formula.

The viscose that forms the textile fiber which is 100 percent vegetal and biodegradable produced with sustainable cultivation methods.





*Gastroenterologist  
department at the  
Gemelli Polyclinic  
in Rome*



### *Relation:*

Esophageal gastroreflux, or rather the entire variety of symptoms, who now accompany each other, known in Italian with the acronym GERD, that is, gastroesophageal reflux disease. It is a real disease that affects millions of people in a more or less accentuated way in our country alone.

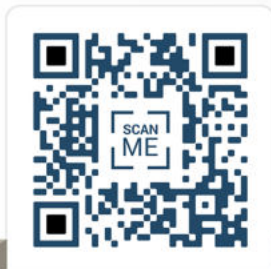
Without going into details that cause it, mentioning only the appropriate diet, overweight and impaired liver function, and last but not least, a stressful life is a fact that must be remedied. This is also to avoid serious consequences for the ruling apparatus that could arise from them over the years.

Naturally, medicine therapy and changing some habits play an essential role. However, it is equally true that we must also pay attention to the correct way of sleeping. Since we spend many hours of the day sleeping, therefore staying in a horizontal position, in the same way as the uncorked bottle which, being tilted so that its contents flow out, similarly this happens with gastric juices, and the contents of the stomach that travel up the esophagus when we lie down.

Obviously there are a series of natural anti-reflux mechanisms in the esophagus, who oppose this but, when these are less good for the aforementioned causes, we have the rise of gastric juices through the esophagus and then in the most serious cases into the mouth during sleep, with damage also to the teeth, susceptible to the harmful action of the acids themselves. A correct way of sleeping is therefore essential, trying to keep the body inclined with the head and esophagus higher than the stomach. This effect cannot be achieved with simple pillows which would only raise the head by forcing the inclination of the cervical spine, resulting in pain and sleep disturbances. nor by raising the bed base where possible, with the thicknesses of the head part which on the other hand would create venous and lymphatic stasis disorders, due to insufficient drainage of the lower limbs with swollen legs in the morning and accentuation of venous pathologies. The valid solution to this position problem could be to use the mattress, anti-reflux ANNA and its adjustable net. In fact, the differentiated thickness of this mattress, which keeps the head and chest correctly raised allows you to avoid reflux, dependent on the various positions assumed during sleep. I have had the opportunity to see the effectiveness of this mattress in the field with people who immediately found benefits from its use. Combined with the therapy, there were immediate improvements in reflux symptoms and certainly an improved quality of sleep. Also because it is a comfortable mattress with various differentiated layers of padding, which promotes physiological and comfortable rest so as to fully justify the commitment of its purchase.

# Certificates

Patent dep. N° IT02022000006482



-ANNA-

## Em.An. Srl Mattress Factory

Anna Tp was born from an idea by Emanuela De Santis, who has been in the Sleeping Items sector for years and thanks to her love and passion for her work.

Balance between lift, elasticity and comfort ensure the maximum sensation of well-being.

Anna Tp is the result of the perfect harmony between innovative design and the highest quality of the materials used.



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