

# MESORGANIC® MXB

HYDROGEL BASED ON CROSS-LINKED HYALURONIC ACID + GLYCINE AND PROLINE

22



24



26



# MESORGANIC® MXB

## SAFETY AND EXPERIENCE

In the last 25 years, the use of **HYALURONIC ACID** in injectable medical devices has increased exponentially, completely replacing collagen, its predecessor, decreeing its absolute success on all other biomaterials now in disuse; this is due both to the **safety** of the totally natural and organic molecule and to the total **bio-absorbability** of the material.

Furthermore, the technology of crosslinking, which is important for the protection of **HYALURONIC ACID** from enzymatic attack, has progressed more and more, reaching the almost exclusive use of **BDDE (Butanediol - Diglycidyl Ether)** as a crosslinking agent, considered today the safest and most performing.





## INNOVATION AND INSPIRATION FROM NATURE

The innovative range of injectable medical devices **MESORGANIC® MXB** the perfect choice for any type of medical aesthetic corrections that can be carried out with dermal fillers, in fact the whole line has been conceived in a modern perspective following all the technological improvements achieved over time, inspired by nature composition and absorbability.

The Biopolymer obtained is a monophasic hydrogel of **HYALURONIC ACID**, which as an extremely **high molecular weight**, is **100%** cross-linked and has no parts of free hyaluronic acid. Moreover, this biopolymer has at the same time a high level of both plasticity and elasticity thanks to 2 amino acids very present in nature such as **Proline** and **Glycine** which, in addition to "softening" the product in the crosslinking phase, makes it more viscoelastic and mouldable. Furthermore, these 2 essential amino acids favor the revitalization of the tissues treated during filling, stimulating the Fibroblasts for the production of collagen and giving rise to skin restructuring by increasing its elasticity and hydration.

## TECHNOLOGICAL INNOVATION AND RESPECT FOR NATURE

The **Hyaluronic acid** contained in **MESORGANIC® MXB** is derived from the fermentation of *Streptococcus Equi*, a non-pathogenic bacterium, therefore of synthetic and **non-animal** origin.

Furthermore, the Hyaluronic Acid already used in its raw form is of the highest quality and purity, and is produced in Italy in compliance with all regulatory standards aimed at protecting patients and safeguarding the environment, such as water purification, recycling of waste and energy saving.



“  
we are making  
something different...  
”



## MULTI-TREATMENT OF HYALURONIC ACID

Hyaluronic acid, after being purified and sterilized, is cross-linked using the crosslinking agent **BDDE**, which is considered by all to be the safest and best known for crosslinking; the hydrogel of **MESORGANIC® MXB** is a **monophasic** product, therefore completely cross-linked, but obtained from an industrial process of crosslinking at low temperature and with a significantly longer duration than the normal times required: the low temperature allows us not to depolymerize the **hyaluronic acid** while the prolonged time allows us to better control the degree of crosslinking using a smaller quantity of **BDDE**.

In the last phase of crosslinking, the amino acids "Proline" and "Glycine" are then added, which have an "elasticizing" as well as "viscosifying" function on the monophasic hydrogel, making it easy to use for any correction depending on the concentration of the various devices of the **MESORGANIC® MXB** range.



# MESORGANIC® MXB

HYDROGEL BASED ON CROSS-LINKED HYALURONIC ACID  
+ GLYCINE AND PROLINE



<b>COMPOSITION</b>	Reticulated HA 22 mg/ml
<b>AMINO ACIDS</b>	Proline and Glycine
<b>MOLECULAR WEIGHT</b>	about 1,5 millions of Dalton
<b>QUANTITY</b>	2 syringes of 1ml
<b>NEEDLES PROVIDED</b>	4 needles 27G - TSK
<b>TISSUE POSITIONING</b>	superficial dermis Medium
<b>MESORGANIC® MXB 22</b>	it is indicated for fine wrinkles and in general for any types of light corrections, such as perioral and periocular wrinkles, bar codes, frontal and glabellar wrinkles.
<b>AVERAGE DURATION</b>	about 6-8 months
<b>CERTIFICATION</b>	CE 0373/UNI EN ISO 13485:2016 UNI EN ISO 9001:2015



**MESORGANIC**  
EXCLUSIVE FORMULA



# MESORGANIC® MXB

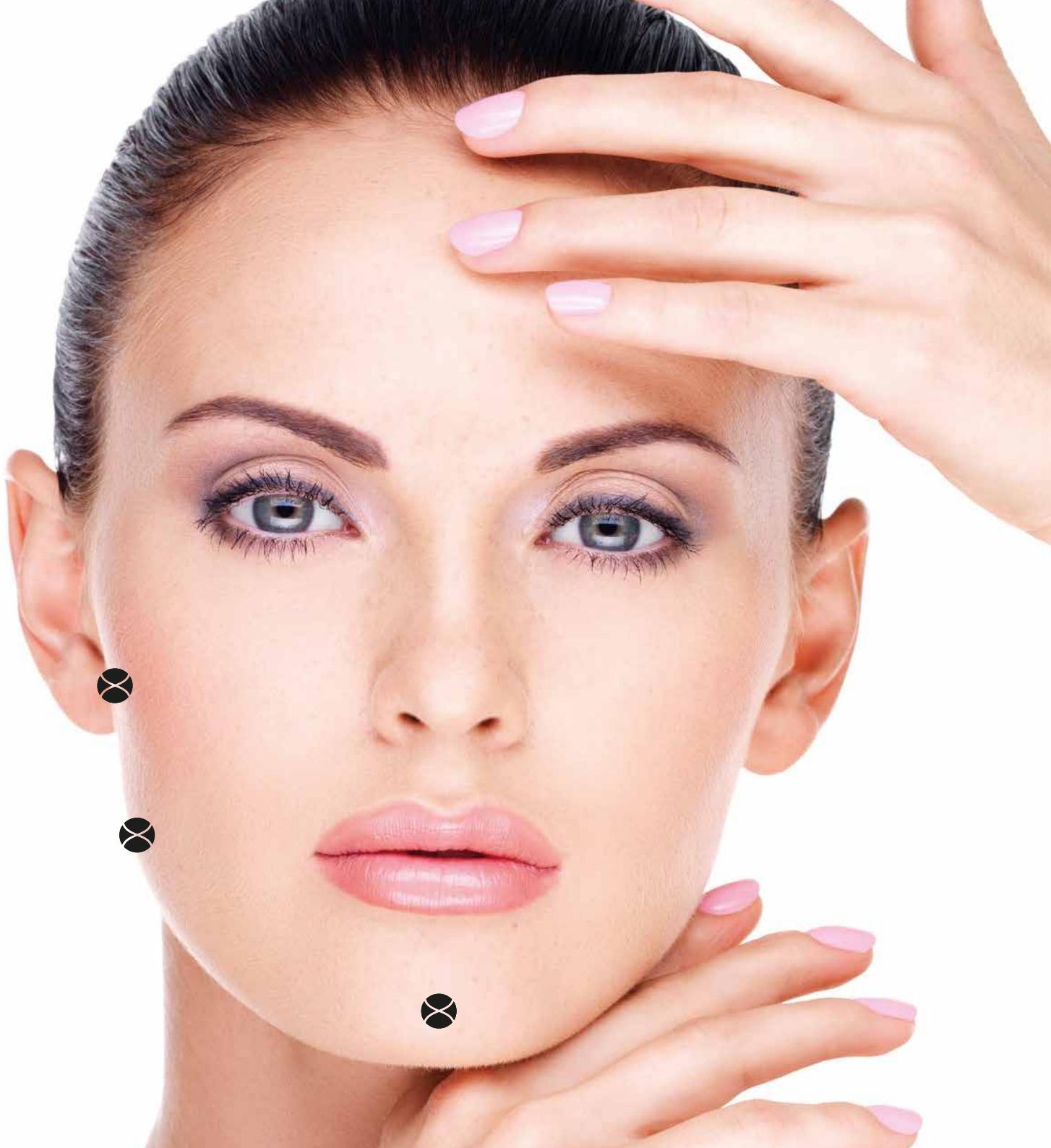
HYDROGEL BASED ON CROSS-LINKED HYALURONIC ACID  
+ GLYCINE AND PROLINE



<b>COMPOSITION</b>	Reticulated HA 24 mg/ml
<b>AMINO ACIDS</b>	Proline and Glycine
<b>MOLECULAR WEIGHT</b>	about 1,5 milioni di Dalton
<b>QUANTITY</b>	2 syringes of 1ml
<b>NEEDLES PROVIDE</b>	2 needles 25G - TERUMO and 2 needles 27G - TSK
<b>TISSUE POSITIONING</b>	Medium dermis
<b>MESORGANIC® MXB 24</b>	is recommended for medium and deep wrinkles, nose creases, puppet wrinkles, lip correction and filling, rhinofiller.
<b>AVERAGE DURATION</b>	about 6-12 months
<b>CERTIFICATION</b>	CE 0373/UNI EN ISO 13485:2016 UNI EN ISO 9001:2015

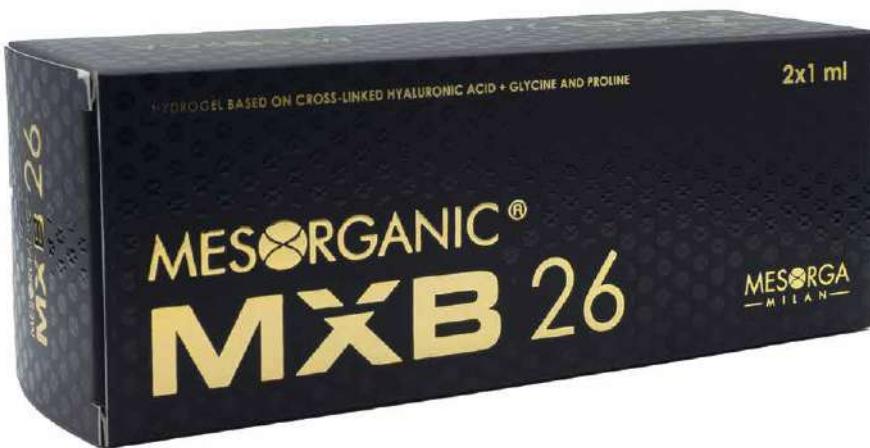


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# MESORGANIC® MXB

HYDROGEL BASED ON CROSS-LINKED HYALURONIC ACID  
+ GLYCINE AND PROLINE



<b>COMPOSITION</b>	Reticulated HA 26 mg/ml
<b>AMINO ACIDS</b>	Proline and Glycine
<b>MOLECULAR WEIGHT</b>	about 1.5 millions of Dalton
<b>QUANTITY</b>	2 syringes of 1ml
<b>NEEDLES PROVIDE</b>	4 needles 25G - TERUMO
<b>TISSUE POSITIONING</b>	Medium and deep dermis depending on
<b>MESORGANIC® MXB 26</b>	is suitable for all treatments concerning face contouring, such as maxillary redefinition, volumetric remodeling of cheekbones and chin.
<b>AVERAGE DURATION</b>	about 12 months
<b>CERTIFICATION</b>	CE 0373/UNI EN ISO 13485:2016    UNI EN ISO 9001:2015



**MESORGANIC**  
EXCLUSIVE FORMULA



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