



hyaluronan filler

feel the difference



Zimmer



**Only the highest quality deserves your trust.**

The purest hyaluronic acid of non-animal origin is the basis of the new *ZFill* generation. The series of products includes five injectable fillers, two with lidocaine.

**Tested quality, made in Europe**

The five hyaluronic acid fillers of the *ZFill* series are manufactured according to strict European quality and safety standards. They comply with the standards and directives ISO 9001, ISO 13485, GMP (Good Manufacturing Practice) and are CE-marked. The toxicological investigations and tests of biological compatibility are performed in accordance with the ISO 10993 series of standards.



# ZFill – The aesthetic product line for natural hyaluronic acid treatment



## **Long lasting effect through high stability.**

The gels acquire maximum stability through an innovative, multi-stage manufacturing process.

This slows down the body's own degradation processes and guarantees a long-lasting effect. A rejuvenating effect can be seen immediately after the hyaluronic acid therapy. ZFill activates lasting revitalisation of ageing skin. It compensates for the age-related hyaluronic acid deficit and systematically hydrates the dermis.

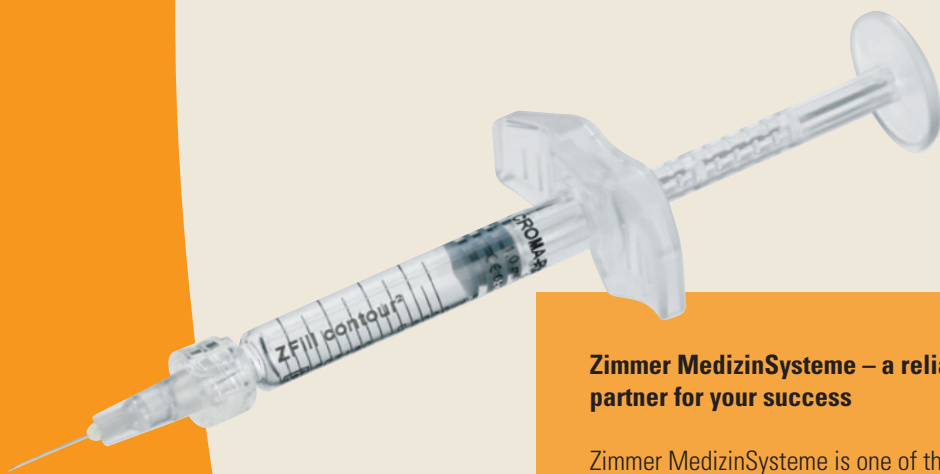
## **Virtually painless– through the addition of lidocaine.**

Lidocaine, a mild anaesthetic, has already been successfully used for many years as a local anaesthetic.

The addition of lidocaine to the crosslinked products of the ZFill line results in a reduction in pain during the injection into the skin which thus makes the treatment more comfortable.



# ZFill – A good feeling when it comes to safety and comfort



## **Zimmer MedizinSysteme – a reliable partner for your success**

Zimmer MedizinSysteme is one of the most renowned suppliers in the medical device field. You benefit from more than 50 years of experience and competence in the field of medical technology, from outstanding service and excellent customer support.

## **A good feeling – for you as a physician and your patients**

- A careful purification process, the removal of oxygen, and the sterilisation of the hyaluronic acid prevent adverse effects
- ZFill preparations are made in Europe and comply with the strict European standards as well as the latest state of research
- The special flow properties of the ZFill gel implants allow treatment with thin cannulas

## **Safety and comfort**

- Sterile glass syringe
- Ergonomic finger support (360° rotation)
- Stability and good control during the entire treatment
- Low extrusion force thanks to the tapered shape

## **ZFill – the quality product for optimal results**

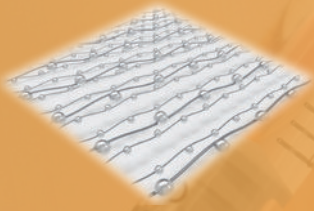
- The hyaluronic acid fillers of the ZFill series are extremely homogeneous and flexible: they can be injected very easily, evenly, and precisely.
- Because of the high viscosity, ZFill optimally adapts to the tissue. This ensures smooth transitions and natural-looking beauty.
- The cosmetic effect appears immediately after the treatment and lasts for a long time.



# ZFill – Ultimate purity for maximum safety

## 1. The basis

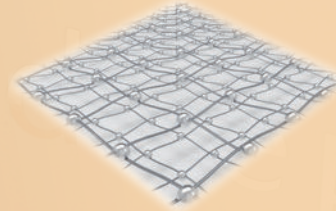
The basis for *ZFill* is pure, bio-fermentatively obtained hyaluronic acid of non-animal origin. A special method first carefully aligns the molecular chains to each other.



## 2. The long-lasting effect through crosslinking

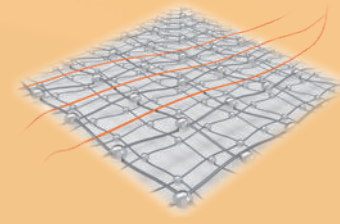
Crosslinking: Through the addition of BDDE, crosslinks form between the hyaluronic acid chains.

A very dense, three-dimensional matrix develops and the gel gains stability and resistance to the degradation processes of the skin – this explains the long-lasting effect of *ZFill* contour<sup>2</sup>, *ZFill* contour<sup>+</sup>, *ZFill* deep<sup>2</sup> and *ZFill* deep<sup>+</sup>.



## 3. The homogenisation

The preparation is then homogenised. The gel is now viscous and yet extremely flexible and elastic – ideal for an even and controlled injection with thin cannulas.



## 4. The purification process

A complex purification process follows. All excess and harmful components (unbound BDDE, proteins, and endotoxins) are carefully removed.

### Result:

Exceptional purity which goes far beyond the strict requirements of the European directive for medical devices.



## 5. Sterilisation

In the final step, the filled gel syringes are sterilised in a steam autoclave.

## 6. Visual inspection of each individual syringe

To ensure that the syringes are free of particles, each individual syringe undergoes another visual inspection. Only after the necessary production and safety tests according to the latest European standards is the respective *ZFill* batch released.



# The ZFill product line:

optimal  
results with  
five different  
preparations



# ZFill refresh<sup>2</sup> for the natural regeneration and revitalisation of the skin

**z**  
fill



## **ZFill refresh<sup>2</sup>**

The gel consists of highly concentrated hyaluronic acid and the natural moisturiser glycerine. This non-crosslinked, biologically active hyaluronic acid enriched with the additional active ingredient causes a lasting increase in skin moisture. Hyaluronic acid which is lost through the natural ageing process is returned to the skin. At the same time, the glycerine binds water and hydrates the skin. In this way, your skin regains tone and visible signs of skin ageing decrease.

**Properties:** A transparent gel, sterile and viscoelastic, isotonic and biodegradable.

**Recommended treatment plan:** In the first two months, three treatments are recommended.

## **Hyaluronate**

HA concentration	18 mg/ml
Stabiliser	Glycerine
Sterility	Sterile
pH	6.8 – 7.6
Packaging	1 ml
Needle	30 G ½ "

refresh<sup>2</sup>



## ZFill contour<sup>2</sup> and contour<sup>+</sup> for the mid and deep dermis

### **ZFill contour<sup>2</sup> and ZFill contour<sup>+</sup> (with lidocaine)**

The gel implant made of crosslinked hyaluronic acid corrects moderate and deep nasolabial folds. It fills the moisture depots and rejuvenates the skin through long-lasting hydration. With ZFill contour<sup>+</sup> you correct wrinkles and increase lip volume.

Properties: sterile, isotonic and biodegradable, viscoelastic, clear, transparent, and homogenised

Duration of effect: 5 – 9 months



### **Crosslinked hyaluronic acid**

HA concentration	23 mg/ml
Crosslinking agent	BDDE
Sterility	Sterile
pH	6.8 – 7.4
Packaging	1 ml
Needle	27 G ½ "

### **contour<sup>+</sup>**

Additionally lidocaine hydrochloride	0.3%
pH	6.7 – 7.3



# ZFill deep<sup>2</sup> and deep<sup>+</sup> gives new fullness and more volume

**z**  
fill



## **ZFill deep<sup>2</sup> and ZFill deep<sup>+</sup> (with lidocaine)**

ZFill deep<sup>2</sup> and deep<sup>+</sup> are suitable for the correction of deep nasolabial folds. Thanks to the outstanding viscoelastic properties, the gel implant can be injected easily and very precisely with a thin needle.

Properties: sterile, isotonic and biodegradable, viscoelastic, clear, transparent, and homogenised

Duration of effect:  
At least 9 months.

## **Highly crosslinked hyaluronic acid**

HA concentration	23 mg/ml
Crosslinking agent	BDDE
Sterility	Sterile
pH	6.8 – 7.4
Packaging	1 ml
Needle	27 G ½ "

## **deep<sup>+</sup>**

Additionally lidocaine hydrochloride	0.3%
pH	6.7 – 7.3



deep<sup>2</sup> | deep<sup>+</sup>





# Virtually painless therapy

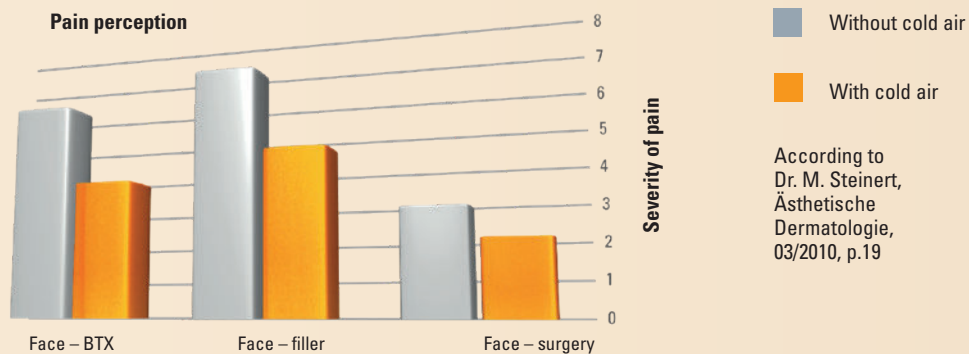


## The cold air device Cryo 6 in filler therapy

Prior to the injection, you cool the skin for a few seconds to approximately 10 – 15°C. This results in an analgesic effect. Now inject *ZFill* carefully but quickly into the dermis and massage the treated area in order to distribute the preparation evenly and avoid side effects.

Even without anaesthetics, patients feel considerably less pain and tolerate the therapy significantly better. Brief subsequent cooling additionally prevents unattractive swelling and redness. For up to 2 hours, your patients should then utilise the facial muscles as little as possible. This facilitates the integration of the implant into the surrounding cell network.

Diagram "Decreased pain perception" BTX, filler and surgery



According to  
Dr. M. Steinert,  
Ästhetische  
Dermatologie,  
03/2010, p.19

Studies show: Cryo 6 Derma significantly reduces pain during procedures in the facial region.

# The anti-ageing system for skin at every age



Product	ZFill refresh <sup>2</sup>	ZFill contour <sup>2</sup>	ZFill contour <sup>+</sup>	ZFill deep <sup>2</sup>	ZFill deep <sup>+</sup>
HA concentration	18 mg/ml	23 mg/ml	23 mg/ml	23 mg/ml	23 mg/ml
Stabiliser/ crosslinking agent	Glycerine	BDDE	BDDE	BDDE	BDDE
Degree of crosslinking	–	+	+	++	++
Lidocaine	–	–	0.3%	–	0.3%
Packaging	1 x 1 ml	1 x 1 ml	1 x 1 ml	1 x 1 ml	1 x 1 ml
Needle	2 x 30 G ½ "	2 x 27 G ½ "	2 x 27 G ½ "	2 x 27 G ½ "	2 x 27 G ½ "

Information about possible risks and adverse effects as well as warnings can be found in the instructions for use; please inform your patients.

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