

# hydrorise implant



**SIMPLY ACCURATE**

High-rigidity addition silicone

**Zhermack**   
Dental

# Hydrorise Implant, simply accurate



# Dental implants represent a solid solution in prosthetic dentistry and are considered the privileged treatment for the permanent replacement of natural teeth.

The success of a prosthetic restoration supported by implants is obtained by combining know-how, technique and high-quality materials. In the different operative phases, impression taking plays a key role in order to obtain an accurate impression on the first try: rigidity, elasticity, high dimensional stability and precision are essential, as these features assure the efficiency of the clinic and the satisfaction of the patient.

Hydrorise Implant has been conceived as an extension of the Hydrorise line, already known in the market thanks to its excellent performance. Made with high-quality raw materials, it represents a step forward in the world of implant impressions to satisfy the growing needs of dental professionals.

Hydrorise Implant is a high-rigidity addition silicone (VPS), ideal for impression taking in implantology, offering its best performance in multi-unit implant cases.

It is a **precise, reliable, safe** and **easy-to-use** material. Additionally, it has the advantage of being **radiopaque** and **scannable** without using matting sprays.

Hydrorise Implant is the Zhermack solution for taking an **accurate impression**, which is the precondition to restore functionality and offer a harmonious smile.



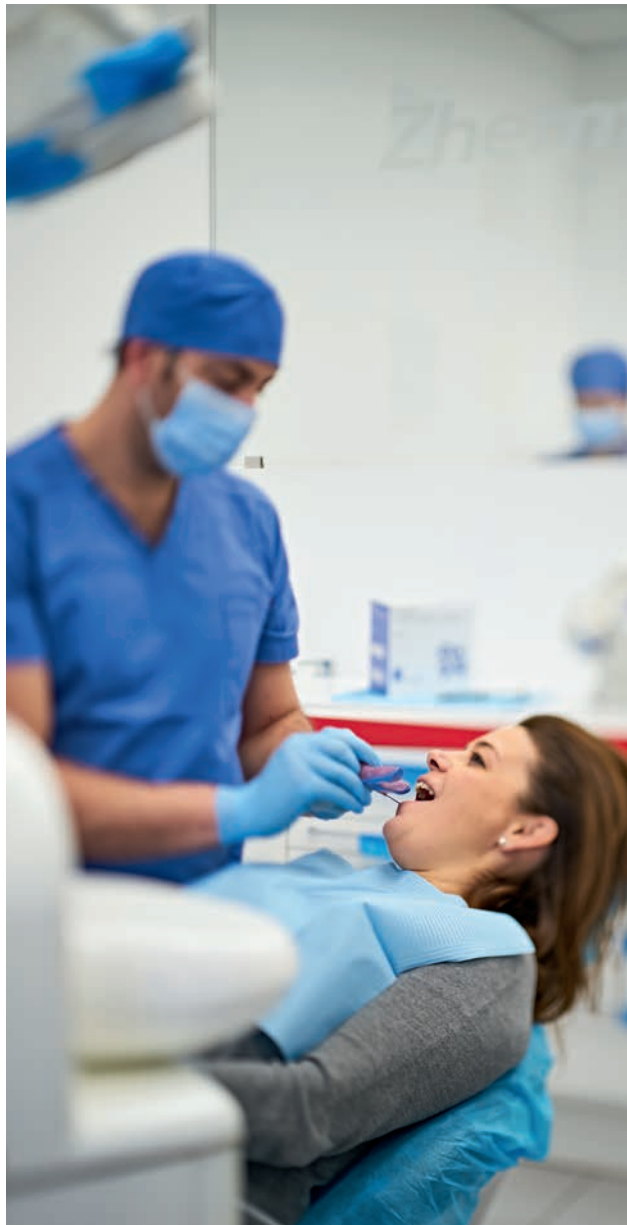
# Accuracy

## Accurate impression on the first try

### Everything starts from the impression taking.

Impression taking is one of the most important phases in a prosthetic treatment. A precise impression allows a proper communication with the dental laboratory to realize a long-lasting restoration.

The impression needs to be taken skillfully, and the choice of the material affects the final result.



The first impression will be the right one with Hydrorise Implant.

### ► Rigidity and high accuracy

Hydrorise Implant Heavy and Medium materials offer high final hardness and detect with precision the three-dimensional position of the implant, thus obtaining an accurate impression. At the same time, Hydrorise Implant Light reproduces the soft tissues around the transfer.

### ► High consistency and thixotropy

Each material has a level of consistency we've never designed before at Zhermack. Hydrorise Implant does not change in contact with oral fluids. It is thixotropic and does not leak into patient's mouth.

### ► High elastic recovery

It resists to distortion upon removal thanks to its high elastic recovery.

## Choose the most suitable material according to the clinical case

The dentist must be able to rely on impression materials with specific features for the clinical case to be treated.

While detail reproduction and precision in margin detection are crucial in conventional

treatments, in implant rehabilitation impressions must detect and transfer the exact position and the orientation of the implant to the model.

### Hydrorise

#### Main features

It tolerates undercuts without deformation

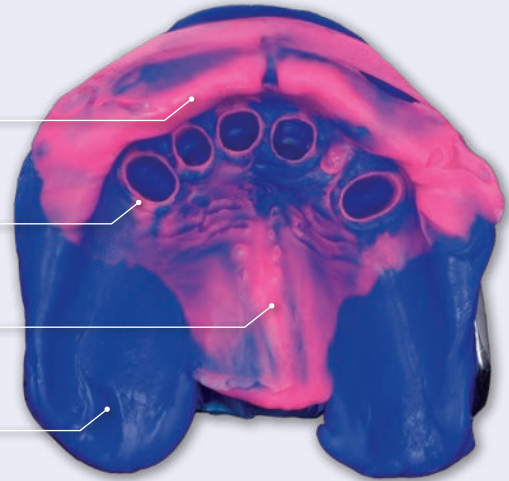
Maximum precision in detail reproduction and margin detection

High hydro-compatibility

High tear strength

#### Recommended for:

- fixed prosthesis
- removable prosthesis
- implantology (single-unit implant treatment)



### Hydrorise Implant

#### Main features

High final hardness and transfer stability

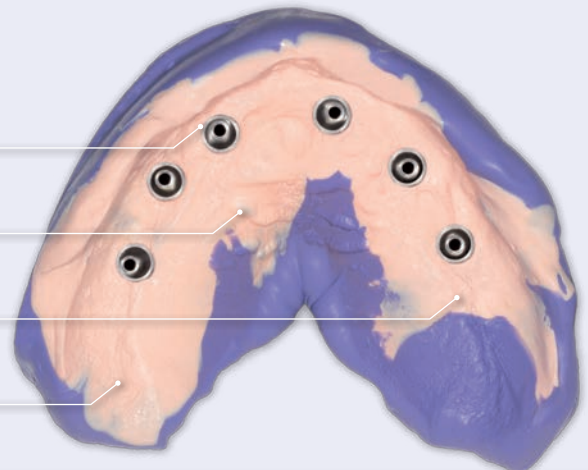
High thixotropy

Ideal working time for multiple implants treatment

Radiopacity

#### Recommended for:

- implantology, ideal in multiple implants treatment



# Reliability

## The best ally for your work

### Hydrorise Implant values your time.

A necessary tool in the daily clinical practice to increase the efficiency of the clinic and the satisfaction of the patients.



#### ► High hydro-compatibility

Hydrorise Implant has been designed to ensure accurate impression also in the wet mouth condition.

#### ► Adequate working time (Snap-Set effect)

Optimal working time for multiunit implants helps the dentist to apply the wash material without stress, even for the most complex cases. Short intraoral working time gives a greater comfort to the patient.

#### ► High dimensional stability

Based on the specific case requirements, the dentist can choose the best time to send the information to the laboratory. As an A-Silicone, the formulation remains stable for a long time (up to two weeks) without being subjected to significant dimensional variations.

## Snap-Set effect

A correct working time to take an impression with greater peace of mind.

It reduces the risk of taking the impression twice, avoiding to waste time for the dentist and the

patient. For this reason, using materials with an ideal working time/setting time ratio - **Snap-Set effect** - is the best choice.

### Working time

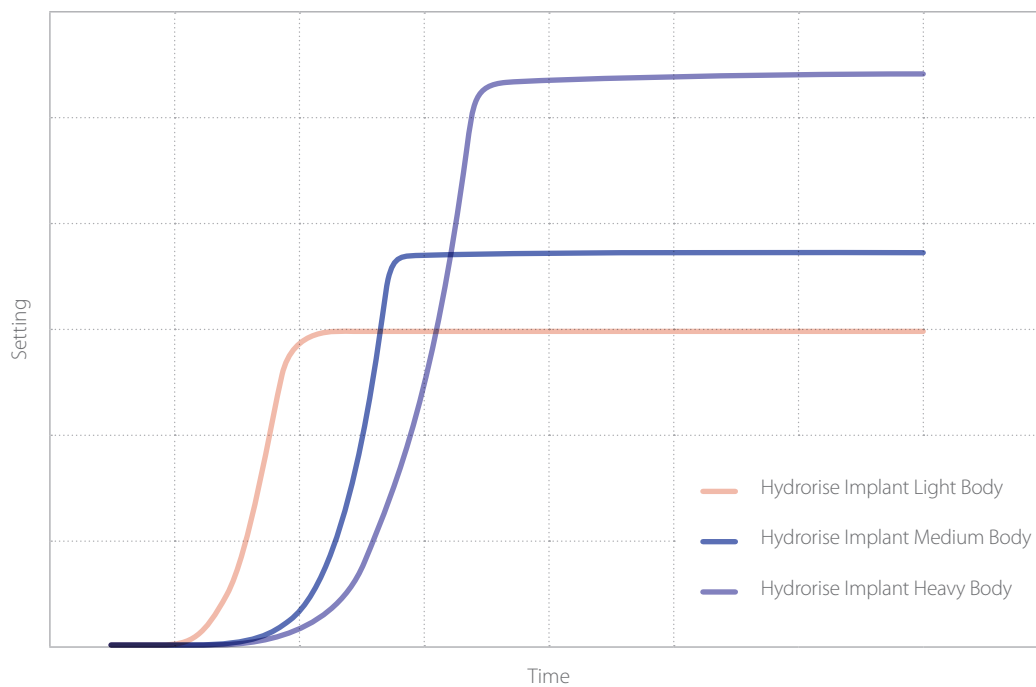
The time available by a user after initial mixing will allow to place and manage the material before it begins to set.

### Setting time

Amount of time before the material is completely set.

Rapid transition from the unset to the set state is called "Snap-set" effect

### Polymerization curve



Based on internal tests

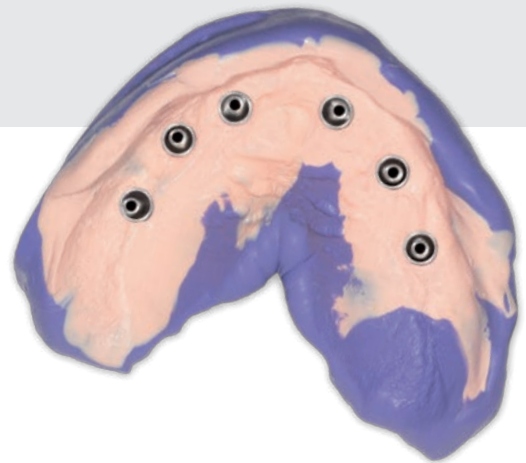
# Impression techniques

Hydrorise Implant is available in three viscosities - **Heavy**, **Medium** and **Light** - to satisfy the requirements of the various clinical situations.

It can be used with the two most common procedures for impression taking on implants: **"open tray"** and **"closed tray"**.



MEDIUM FOR MONOPHASE  
TECHNIQUE



HEAVY-LIGHT FOR SIMULTANEOUS,  
TWO VISCOSITIES TECHNIQUE





# Safety

## Safety first.

Relax as you have a safe product in your hands.



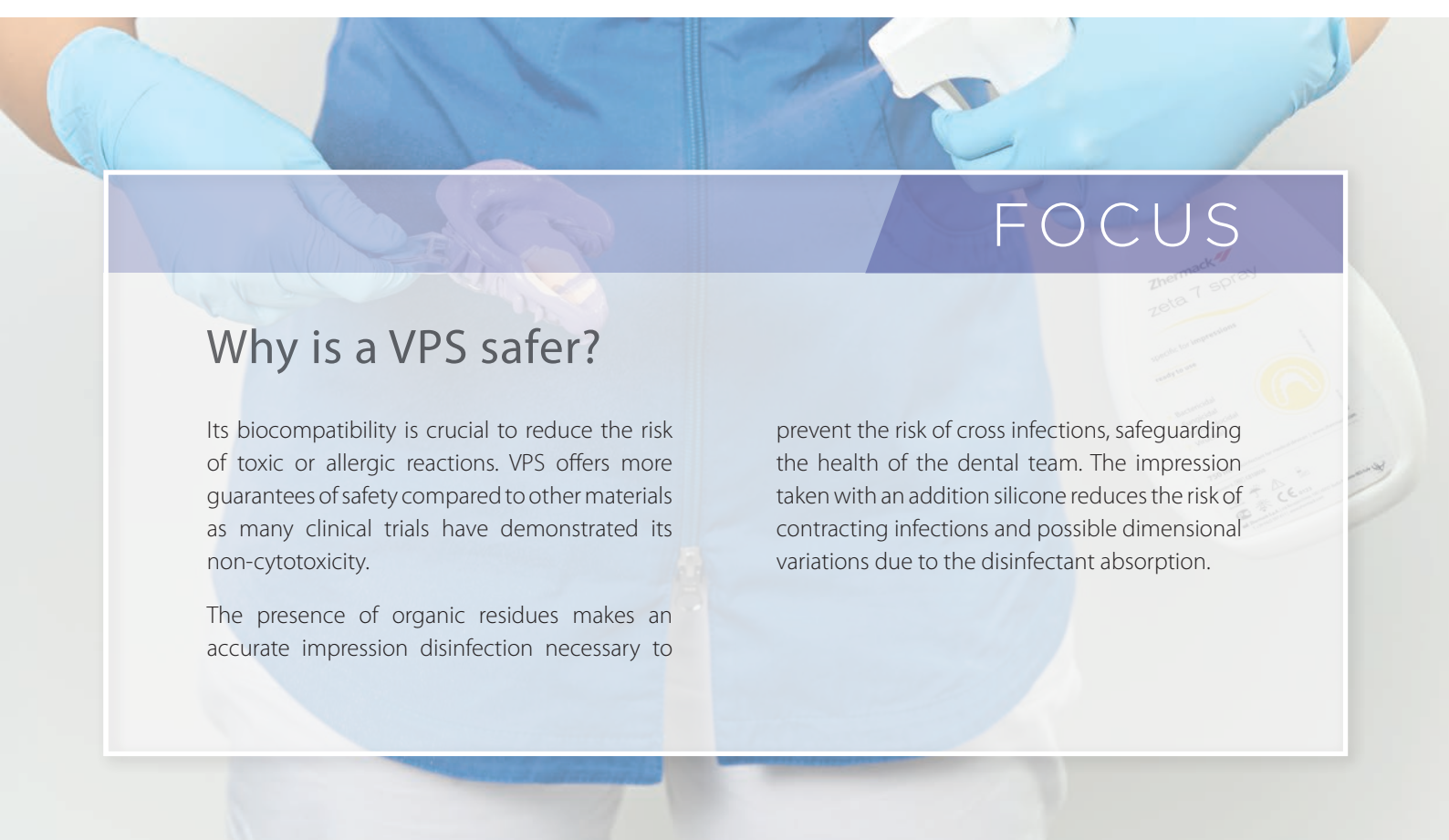
- ▶ **Radiopaque.** Residues under the gum are easily identified with a simple X-ray to reduce the risk of infection.
- ▶ **Safely-disinfected.** It maintains its stability after the disinfection.
- ▶ **Biocompatible.** Its biocompatibility minimizes the risk of allergic reactions.

Tested according to the latest European norms, Hydrorise Implant is:

NOT IRRITANT FOR ORAL MUCOSA

NOT CYTOTOXIC

NOT SENSITIZING



## FOCUS

### Why is a VPS safer?

Its biocompatibility is crucial to reduce the risk of toxic or allergic reactions. VPS offers more guarantees of safety compared to other materials as many clinical trials have demonstrated its non-cytotoxicity.

The presence of organic residues makes an accurate impression disinfection necessary to

prevent the risk of cross infections, safeguarding the health of the dental team. The impression taken with an addition silicone reduces the risk of contracting infections and possible dimensional variations due to the disinfectant absorption.

# Comfort

## The solution that pleases everyone.

Due to its user-friendliness, Hydrorise Implant is a solution that pleases everyone: the patient, the clinic and the lab technician.



### MORE COMFORT FOR THE PATIENT

- ▶ Hydrorise Implant has a pleasant **mint scent** to deal with the impression taking more easily.
- ▶ **Easily removable** from the oral cavity.



### GREATER ADVANTAGES FOR THE DENTIST

- ▶ Thanks to its **ideal consistency**, it can be used with every standard or custom impression tray, without flowing.
- ▶ **Scannable** with the most common scanning systems without using matting sprays.
- ▶ Immediate **impression readability** thanks to easily-readable colours to spot potential imperfections.



### MORE PEACE OF MIND FOR THE DENTAL TECHNICIAN

- ▶ Due to its special formulation, **the model can be easily removed** from the impression.
- ▶ It **improves communication** between clinic and laboratory.

## Quality mixing



Mechanical and automatic mixing is better and faster compared to the manual one: this simplifies the workflow in the clinic.

- ▶ Hydrorise Implant is available in **convenient 50 ml (Light) or 380 ml (Heavy and Medium Body) self-mixing cartridges.**

380 ml cartridges, packaged in the 5:1 automatic mixing system, offer the user the highest convenience and are:

- ▶ **ready and easy to use**
- ▶ **cheaper** compared to other 5:1 systems because of the greater amount of material
- ▶ provided with **dynamic-static mixing tip** for an ideal mixing that **reduces waste**
- ▶ provided with **mixing tip locker** for a fast and safe fixing



**COMPATIBLE WITH THE MOST COMMON AUTOMATIC MIXERS ON THE MARKET**

# Clinical case

Complete prosthetic restoration clinical case for rebuilding upper and lower arches. Hydrorise Implant has been used in the lower arch for an implant prosthesis while Hydrorise has been used in the upper arch for a conventional treatment.



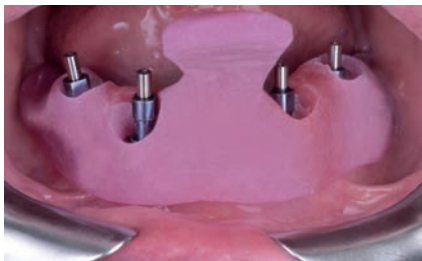
1. Case baseline



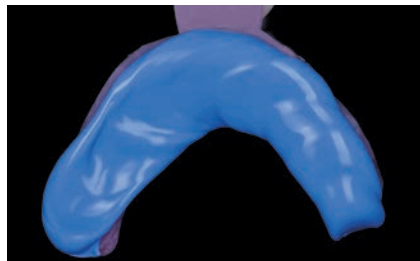
2. Implants positioning



3. Pick-up positioning



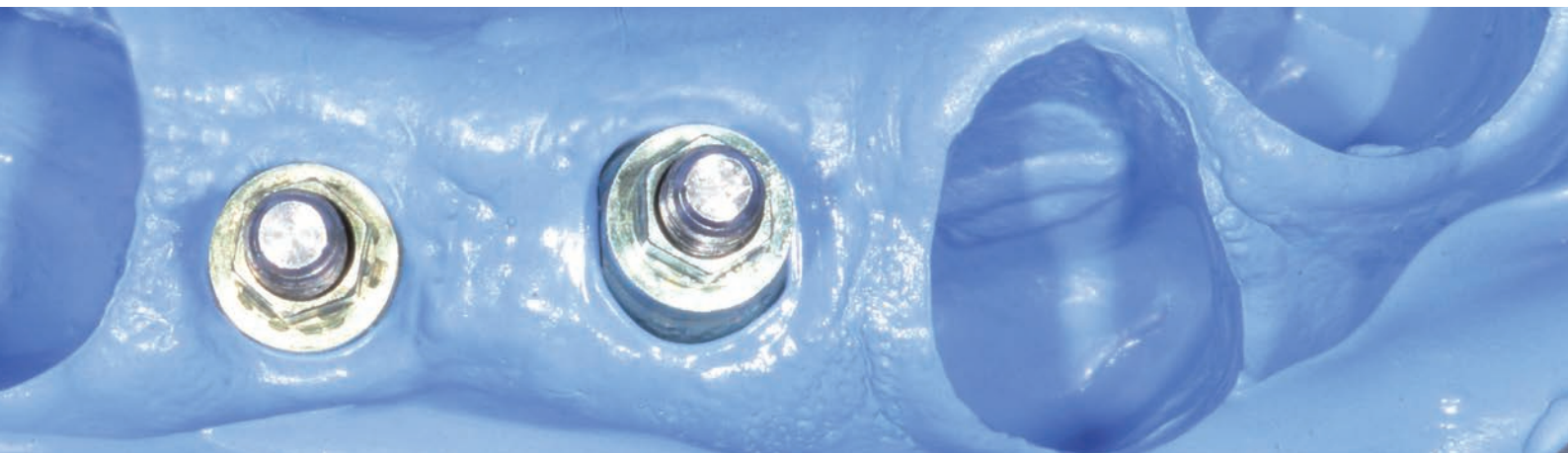
4. Check of the custom tray



5. Hydrorise Implant Medium Body on the custom tray



6. Impression with Hydrorise Implant Medium Body



7. Impression with Hydrorise Implant Medium Body in the patient mouth



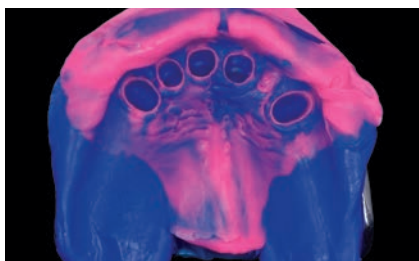
8. Preparation of the upper arch for fixed prosthesis on natural teeth



9. Insertion of the retraction cords



10. Hydrorise Light Body on abutments on the upper arch



11. Impression of abutment in the upper arch with Hydrorise Heavy and Light Body



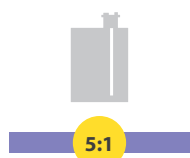
12. Smile of the patient at the end of the treatment

# Technical data



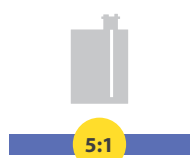
Product	Delivery system	Viscosity	Recommended techniques	Type of setting	Working time (min:s)	Time in mouth (min:s)	Setting time (min:s)	ISO 4823	Elastic recovery	Linear dimensional change (after 24 h)	Hardness (Shore A)
<b>Hydrorise Implant Heavy Body</b>	5:1 automatic mixing	Heavy	Single step impression	Normal set	02:00	03:30	05:30	Type 1 Heavy-bodied Consistency	> 99.3 %	< 0.25 %	70
<b>Hydrorise Implant Medium Body</b>	5:1 automatic mixing	Medium	Monophase impression	Normal set	02:00	03:30	05:30	Type 2 Medium-bodied Consistency	> 99.3 %	< 0.25 %	60
<b>Hydrorise Implant Light Body</b>	1:1 dispenser	Light	Single step impression	Normal set	02:00	03:30	05:30	Type 3 Light-bodied Consistency	> 99.3 %	< 0.25 %	55

## Hydrorise Implant Heavy Body - High viscosity A-silicone



Code	Packaging
C207090	2 x 380 ml cartridges + 15 dynamic-static mixing tips + 2 mixing tip lockers
C207095	<b>Hydrorise Implant Intro pack Kit Heavy/Light:</b> 1 x 380 ml Heavy Body + 1 x 50 ml Light Body + 6 dynamic-static mixing tips + 6 mixing tips yellow + 1 mixing tip locker

## Hydrorise Implant Medium Body - Medium viscosity A-Silicone



Code	Packaging
C207092	2 x 380 ml cartridges + 15 dynamic-static mixing tips + 2 mixing tip lockers
C207096	<b>Hydrorise Implant Intro pack Medium Body:</b> 1 x 380 ml Medium Body + 6 dynamic-static mixing tips + 1 mixing tip locker

## Hydrorise Implant Light Body - Low viscosity A-Silicone



Code	Packaging
C207091	2 x 50 ml cartridges + 12 mixing tips yellow
C207095	<b>Hydrorise Implant Intro pack Kit Heavy/Light:</b> 1 x 380 ml Heavy Body + 1 x 50 ml Light Body + 6 dynamic-static mixing tips + 6 mixing tips yellow + 1 mixing tip locker

# Accessories



## Equipment

Code	Packaging
C309030	Modulmix* Automatic mixer 230 V
C309031	Modulmix* Automatic mixer 230 V UK
C309035	Modulmix* Automatic mixer 115 V

\*For a complete list of Modulmix accessories visit [www.zhermack.com](http://www.zhermack.com)

For **impression disinfection**, Zhermack recommends using:

**Zeta 7 Spray:** Aldehydes-free, ready-to-use and broad spectrum of action disinfectant.

**Zeta 7 Solution:** Aldehydes-free, broad spectrum of action disinfectant to be used with 1% dilution.



# Fulfilling your needs