

# IvoBase<sup>®</sup> System Short Instructions

## 1 Investing the model Placing the injection channels



- Isolate the inner surfaces with a thin layer of petroleum jelly
- Place **access former "half"** and **flask lid** in the flask half
- Position the **filter wax component**



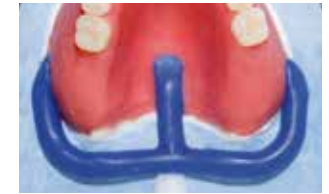
- Soak model in water, isolate, and invest in dental stone (Class III)
- Access former "half" must be invested **flush** in the stone



- Allow the stone to set thoroughly
- Remove access former "half" and place **access former "full"**

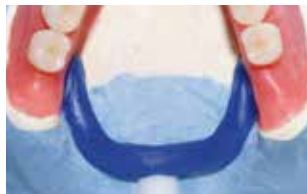


- Position the **injection wax component** on the contouring, stone surface and access former and press on



- **Maxillary complete dentures**
- Press one injection channel against the center of the palatal roof
- Place one channel each vestibular to the two maxillary tubers and press on

## 2 Placing the aeration channels Investment in silicone



- **Mandibular complete dentures**
- Place injection channels to the lingual area of the retromolar triangle
- Separate the center channel



- Press the **aeration wax component** anterior to the contouring and to the center of the filter wax component



- **Partial dentures**
- Place an injection channel at the dorsal end of each denture saddle
- Place an aeration channel anterior to the denture saddle



- Coat the surfaces of the contoured dentures with **A-silicone**
- Do not cover access formers, occlusal surfaces and incisal edges
- Provide the silicone with retentive patterns



- Isolate stone-to-stone contact surfaces with Separating Fluid
- Position the upper flask half and lock using the locking clasps

## 3 Casting the counter model Boil out the model Preparing for injection



- Mix conventional dental stone (Class III) and have it flow into the flask without any bubbles
- **Skim off** excess stone
- Allow the stone to set thoroughly
- Heat in a water bath at 90 °C for 5-8 min



- Open the flask, remove access former "full" and roughly remove wax using a wax knife
- Boil out the inner surfaces with **clean, boiling water**
- Use pure water without any additives



- Roughen basal and cervical surfaces of the resin teeth
- Allow flask halves to cool to **below 30 °C** and check temperature with an IR thermometer



- Isolate stone surface with Separating Fluid
- Apply a second coat after 5 minutes
- Insert the **aeration filter** flush into the corresponding recess in the flask



- Push the IvoBase **funnel** into the **centering insert** until it stops and position it
- Assemble the two flask halves and lock

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## 4 Mixing the material



- Remove the monomer container from the capsule
- Remove the capsule seal



- Twist off the sealing cap of the monomer container



- Pour the monomer into the open capsule



- Use the spatula to mix the monomer and polymer in the capsule to a **homogeneous mixture** for approx. 20–30 s



- Place capsule on an even surface
- Place flask with the centering insert on the capsule

## 5 Loading the injector

### Injection and polymerization

### Divesting



- Insert the flask into the polymerization chamber **until it stops**
- Close the door of the Injector



- Select the program
- Activate "RMR" key, if desired
- Start
- Start of the program with the expansion phase



- Remove the flask at the end of the program
- **Cool** in cold water for 15 min.
- Remove the locking clasps
- Secure the flask in the dental press with the **divesting aid**



- Lift the upper flask half by levering it on both sides in the gap between the flask halves
- Turn over the flask
- Repeat the procedure



- Remove the stone core and separate capsule
- Divest the dentures from the stone core using **stone tongs**
- Finish and polish dentures as usual



Program No.	Material	Duration	Duration with RMR*
1	IvoBase Hybrid	35 min	45 min
2	IvoBase High Impact	50 min	60 min
3	SR Ivocap High Impact	55 min	65 min
4	SR Ivocap Clear	55 min	65 min
5	SR Ivocap Elastomer	65 min	–
6-20	Ivoclar Vivadent – spare		

\* With the RMR function (residual monomer reduction) the residual monomer content is reduced to below 1%.



CE 0123

Ivoclar Vivadent AG  
9494 Schaan/Liechtenstein  
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Please refer to the Instructions for Use for more detailed information

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