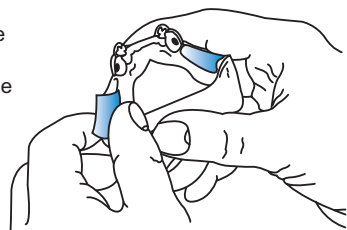




# Duplication by the SILADENT-SYSTEM

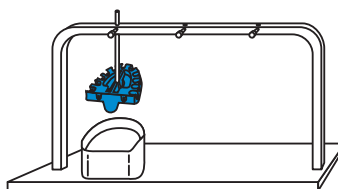
## 1. Preparing the model and placing spacers

Caution: do not soak the model, only duplicate when dry. Refer to the full list of materials which are incompatible with silicone.



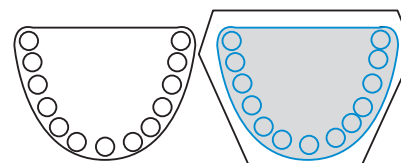
## 6. Fixation device

Select the appropriate size of stabilising plate and screw it onto the threaded rod of the fixation device. Ensure that the stabilising plate does not come into contact with the duplicating adhesive tape.



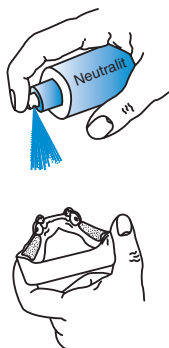
## 11. Function of the stabilising plate

Stabilising plates are used to stabilise the base of the flaskless duplication in order to prevent any deformation when fabricating investment models.



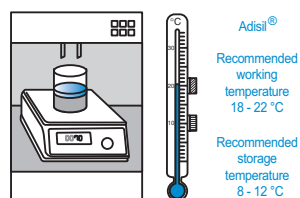
## 2. Degreasing and cleaning

If required, the prepared model should be cleaned and degreased using Neutralit or Neutrasil spray before it is duplicated.



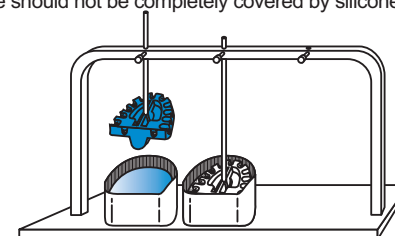
## 7. Dispensing the silicone

Adisil® blue 9:1, Adisil® pink 1:1 and Hydrosil 1:1 duplicating silicones are suitable for use with the SILADENT system. Dispense according to directions and adhere to the instructions for use.



## 12. Fixation of the stabilising plate

Lower the stabilising plate into the silicone until the silicone flows from the retention holes on the side of the plate. The stabilising plate should not be completely covered by silicone.



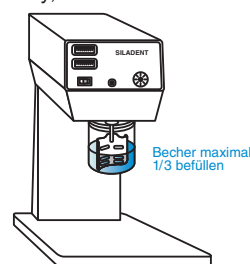
## 3. Drying

Spray and allow to take effect for 2 minutes. Then dry carefully with compressed air.



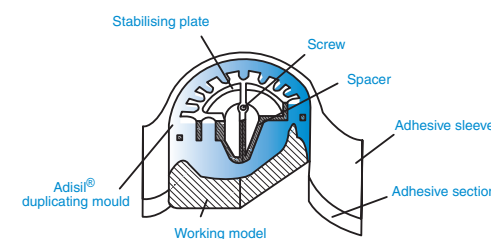
## 8. Mixing the silicone

We recommend mixing the duplicating silicone under vacuum for 40 sec. Alternatively, cure the duplicating silicone under pressure after dispensing it from a 1:1 dispenser. When curing under pressure, use a duplicating cross instead of the fixation device.



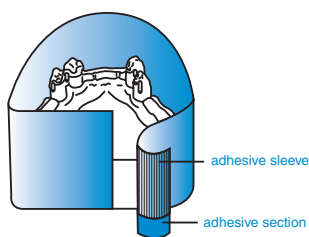
## 13. Cross-section

Remove the duplicating adhesive tape after curing. Then remove the model, using compressed air if necessary.



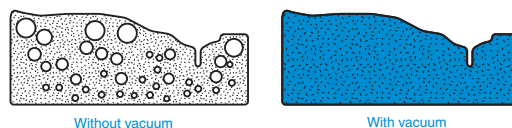
## 4. Placing the patented duplicating adhesive tape round the model

Now place the duplicating adhesive tape round the prepared, cleaned and dried model. Leave a minimum gap of 5 mm between the model and tape.



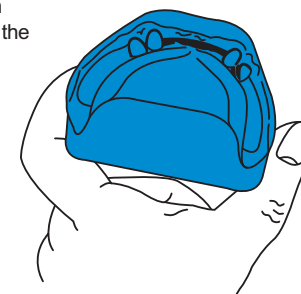
## 9. Mixing under vacuum

Mixing under vacuum or curing under pressure ensures that the duplicating material is as homogenous as possible.



## 14. Finishing the silicone duplicating mould

Remove the silicone flash from the sides and check the mould before pouring the investment model.



## 5. Stabilising plate for the duplicating mould

Stabilising plates are used for stabilising the duplicating mould which are available in four different sizes.



## 10. Pouring the silicone

After mixing the silicone according to instructions, pour it in a thin stream from a height of 40 - 50 cm. Caution: always pour onto the centre of the model.

