

ALGINoplast®

Tips & Tricks



## Tips & Tricks

### Alginate Impressions

Giving a hand to oral health.



**KULZER**  
MITSUI CHEMICALS GROUP

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# Preface

Alginate impressions are daily practice. Optimally, the alginate impression is perfect upon the first try and no repetition is necessary.

Taking the perfect Alginate impression begins with the correct storage, dosing and mixing of the impression material. This guide aims to offer selected tips and tricks regarding the correct handling of alginates, making repetitive impression-taking a thing of the past.



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# 01

## Dosing



1. Transfer the content of the refill package into an airtight, re-sealable container immediately after opening.



2. Close the container and shake the sealed container two to three times in order to loosen the powder prior to dispensing.



**Tip:** One refill bag per container is enough; too much content may hinder the loosening of the powder.



3. Scoop the powder from the container and remove any excess powder with a dry spatula.



**Tip:** Use the straight instead of the curved side of the spatula for the excess removal.



**Hint:** The alginate powder container must always be closed properly after dispensing material.

# 02

## Mixing



4. Scoop the required amount of alginate into the dry mixing bowl.



5. Add the correct amount of water and briefly stir in the powder.



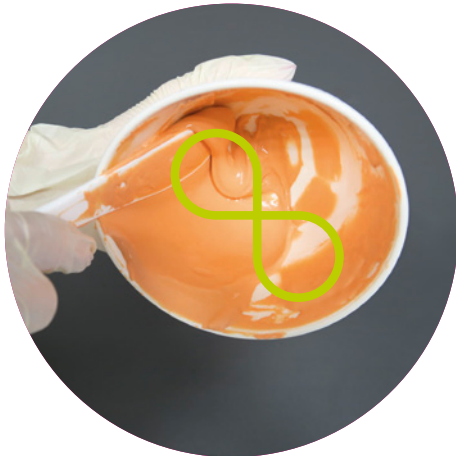
Use the mixing cup and spoon supplied by the manufacturer to ensure accurate mixing ratios.



**Hint:** Keep in mind that warm water accelerates, while cold water slows down the setting reaction of alginates.



**Tip:** Alternatively, a water dosing bottle can be used to facilitate the dosing of water. Just squeeze the bottle until the correct amount of water is achieved.



- 6.** Mix the material with a figure-of-eight action and compress the material against the side of the mixing bowl in order to produce a smooth, bubble-free mixture.

# 03

## Loading the Tray



- 7.** For the upper jaw: Load the tray from the dorsal side of the tray, dissipate and smooth the alginate in the tray.



- 8.** For the lower jaw: Divide the alginate into two portions and fill the first half of the tray.



- 9.** Afterwards, fill the second half of the tray and smooth the surface.



## 04

## Impression-taking



**Tip:** In order to avoid voids caused by entrapped air on the occlusal surfaces, spread a small portion of alginate into the fissures immediately before seating the loaded tray.



**Hint:** Air voids in the occlusal surface will be reproduced as protruding plaster bubbles in the model which will prevent accurate articulation of the models.

## 05

## Examination



10. Rinse the impression under cold running water immediately after impression taking and examine if it is acceptable.

# 06

## Disinfection



11. Disinfect the impression according to the respective instructions for use.

Follow the exposure time given in the instructions of use of the respective disinfection solution. Otherwise, if alginate impressions are stored in aqueous solutions for too long, they may take up water, which results in swelling of the impression.

Afterwards, rinse the impression thoroughly under running water.

To remove any excess water, tap the impression against your hand.

# 07

## Transport

12. If pouring is postponed, store the impression in a bag or container and seal air-tight.

This is sufficient to achieve a relative humidity of 100%.



**Hint:** In order to prevent distortions, do not put extra water in the bag and do not wrap the impression in a moist tissue.



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