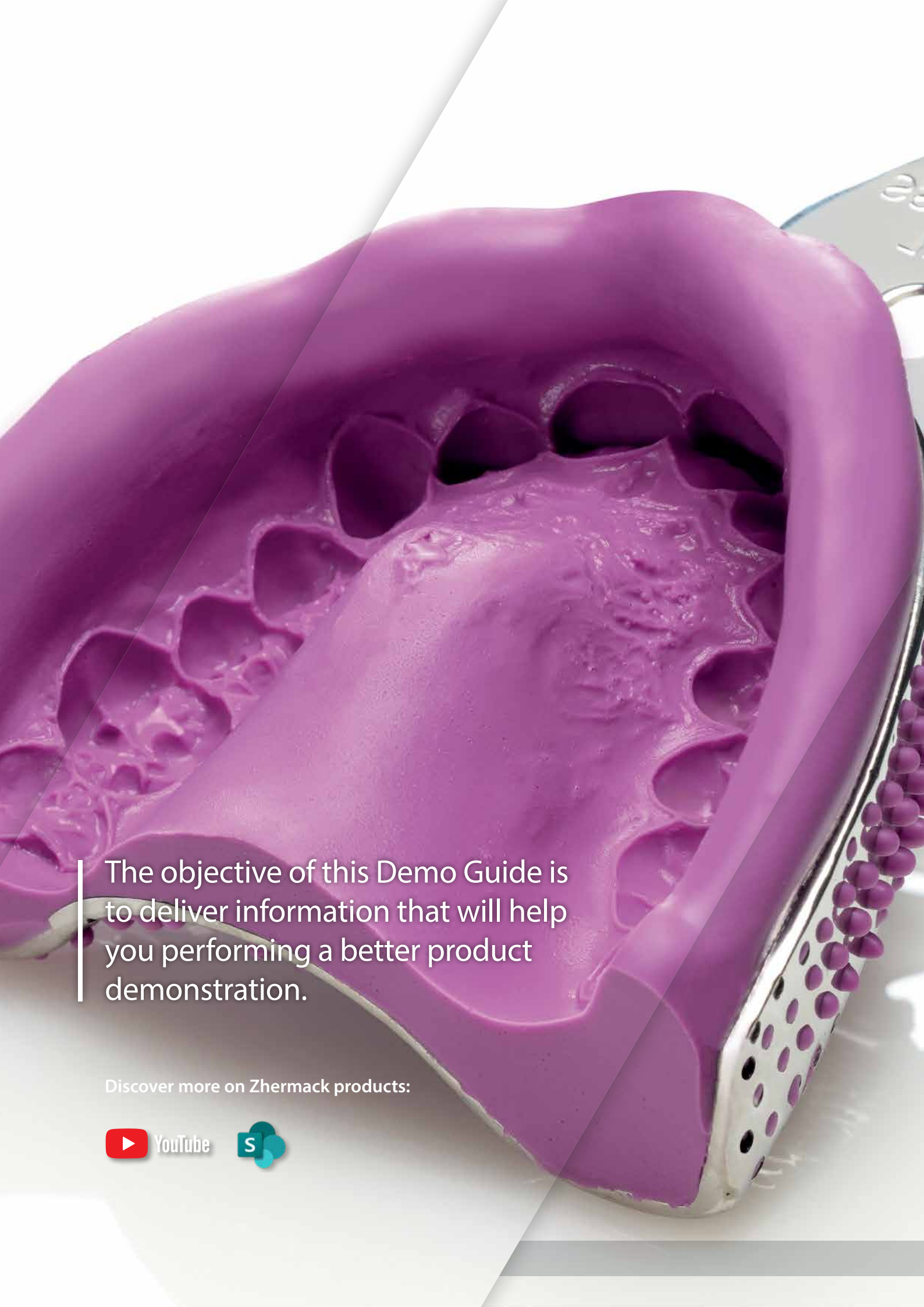




DEMO GUIDE

Impression taking with Hydrogum 5

Zhermack 
Dental



The objective of this Demo Guide is to deliver information that will help you performing a better product demonstration.

Discover more on Zhermack products:





Manual mixing

When using this technique, although alginate is easy to handle, correct management of the water/powder ratio influences the properties of the material.

The success of the final result is based on the accuracy of the person who measures out the powder and water and mixes the alginate.

1

Manual mixing

OPEN THE BAG



Firstly, open the bag.

Keep the lot number and expiry date of the product by cutting the relevant details off the bag.



Attach to the container.



Wear protective goggles, filtering face mask suitable for powders (FFP2 OR FFP3), gloves and work clothes before opening the bag.

2

Manual mixing

POUR THE CONTENT INTO AN AIRTIGHT CONTAINER



You have to know that the alginate is a powder that is highly sensitive to moisture.



For this reason you should pour the content of the bag into a clean and dry container with an airtight closure system.

SHAKE THE CONTAINER

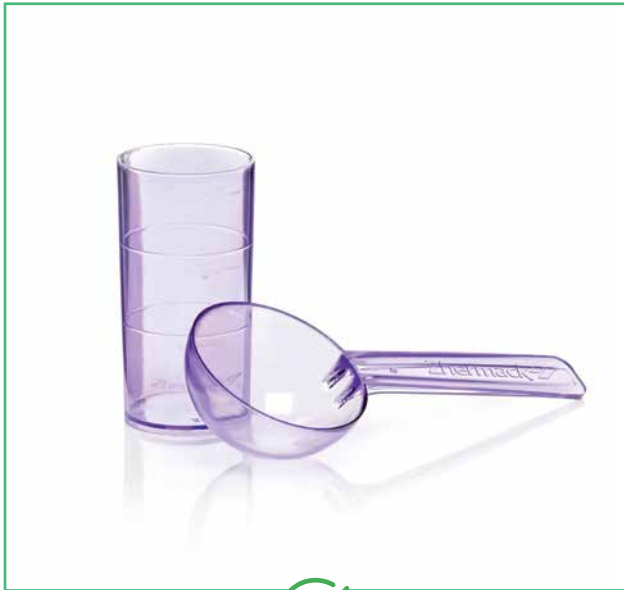


Since the powder needs to be homogeneous, each time you're going to use it you should shake the container 2 or 3 times to favour the dispersion of the powder. Wait few seconds for the more volatile dust to settle.

3

Manual mixing

CHOOSE THE APPROPRIATE MEASURING KIT FOR THE ALGINATE USED



Before proceeding with measuring we recommend choosing the appropriate measuring kit for the alginate used and observing the correct water/powder ratios.

Use the purple measuring kit for Hydrogum 5 (7g of powder and 15 ml of water).

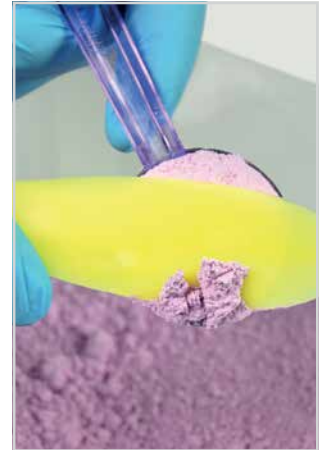
4

Manual mixing

MEASURE OUT THE ALGINATE POWDER



You should use the measuring spoon to collect the alginate without compressing the powder with the spatula or against the wall of the container.



Remove the excess alginate using the flat part of the spatula (and not the curve side).



Pour into a rubber bowl. Close the container at the end of the dosing.

5

Manual mixing

MEASURE OUT THE WATER



! It is **suggested** to use distilled water, at room temperature, so with a temperature of 23°C/73°F.

Measure out the water before adding the water to the powder.

Add water to the powder. Pour 1/3 cup of water (15 ml) for each spoonful of powder (7 g).

Example: For 2 measures of powder (14 g) sufficient for an average upper impression tray, pour 2/3 cup of water (30 ml).

You should be aware that the water temperature affects the gelation time.

Hot water would accelerate the gelation process whereas cold water would delay the gelation time.

6

Manual mixing

POUR THE WATER



Pour in the water.



! **It's important** to remember that it is preferable to add the water after measuring out the powder in order to reduce the surface porosity of the mix.

STIR VIGOROUSLY



Proceed with mixing, observing the times indicated in the instructions for use and on the pack.

7

Manual mixing

PLACE THE ALGINATE ON THE IMPRESSION TRAY



Remove the alginate from the bowl and spread it on the impression tray.

TAKE THE IMPRESSION



A tip for the dentist: in a real situation, the impression should be taken from back to front to avoid the excess material going towards the patient's throat.

Apply the alginate to the model before the end of the working time phase.

8

Manual mixing

WAIT FOR THE MATERIAL GELATION



Wait for the material gelation, observing the setting time from the start of mixing, and then you remove the impression from the model.

Manual mixing

STEP BY STEP

Open the bag, pour the alginate into the container and shake it.



Measure out and pour first the alginate powder and then the water into a mixing bowl.



Mix and place the alginate on the tray and take the impression.





Automatic mixing

When using this technique the number of air bubbles in the material is considerably reduced compared using manual mixing.

Automatic mixing makes it possible to obtain reliable results regardless of the person who does the mixing.



Automatic mixing

SWITCH ON AND SET THE AUTOMATIC MIXER



Firstly, switch on the machine using the power switch and set the appropriate mixing time for the alginate using the “up” and “down” arrows.



The mixing time will vary depending on the alginate used. Details of the correct mixing time to be used can be found on the label on the inside of the lid of the MX-300 or in the user manual. For Hydrogum 5 set the mixing time at 6 seconds.

1

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Automatic mixing

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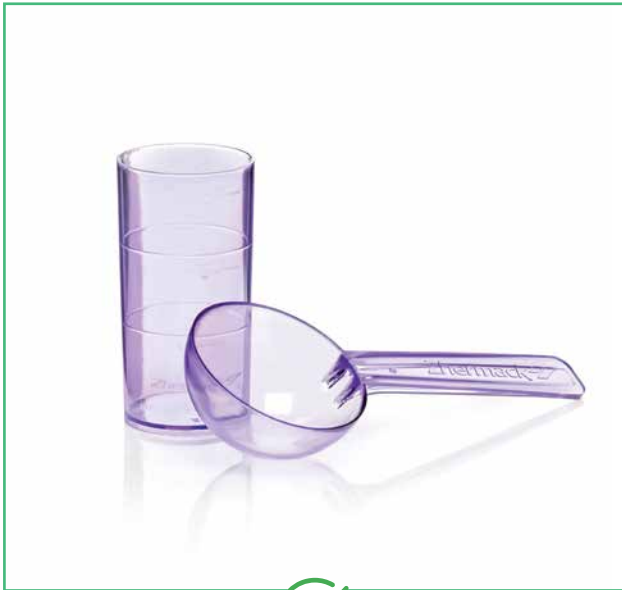


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You should use the measuring spoon to collect the alginate, without compressing the powder with the spatula or against the wall of the container.



Remove the excess alginate, using the flat part of the spatula, and not the curve side of the spatula. And pour into the appropriate mixing bowl supplied.

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Automatic mixing

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! It is suggested to use distilled water, at room temperature, so with a temperature of 23°C/73°F.

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Automatic mixing

POUR THE WATER



Pour in the water after measuring out the powder in the dedicated bowl supplied.

7

Automatic mixing

STIR AND MIXING THE ALGINATE



Stir and seal the bowl.



Then, place the bowl inside the machine.



Close the lid.



Press START and allow to mix until you hear a "beep" indicating the end of mixing.

8

Automatic mixing

PLACE THE ALGINATE ON THE IMPRESSION TRAY



Remove the alginate from the bowl.



Spread it on the impression tray.

9

Automatic mixing

TAKE THE IMPRESSION



A tip for the dentist: in a real situation, the impression should be taken from back to front to avoid the excess material going towards the patient's throat.

Apply the alginate to the model before the end of the working time phase.

WAIT FOR THE MATERIAL GELATION



Wait for the material gelation, observing the setting time from the start of mixing, and then you remove the impression from the model.

Automatic mixing

STEP BY STEP

Open the bag, pour the alginate into the container and shake it.



Measure out and pour first the alginate powder and then the water into a mixing bowl.



Set the machine. Stir and mix the alginate.



Place the alginate on the tray and take the impression.



Fulfilling your needs