

Indication

Developed with orthodontic practices in mind. With its extra-fast setting and robust consistency, this alginate does not flow into the back of the mouth, so the gag reflex is avoided. The pleasant combination of red fruit fragrance and attractive magenta color is also inviting for the patient to bite into.

Storing Cavex Orthotrace

- Always store Cavex Orthotrace in a cool, dry place.
- After opening the packaging store Cavex Orthotrace in a firmly closed storage box. Always close the box immediately after using the material.

Dosing

- Stir the powder to loosen it well.
- Scoop it from the storage box with a light, swift movement and then stroke the powder smooth: do not compress the powder in the scoop.
- Mix water (at room temperature) and powder in the mixing cup.
 - * for a partial impression 1 scoop + 1/3 beaker of water
 - * for a full impression 2 scoops + 2/3 beaker of water
 - * for an extra-large impression 3 scoops + full beaker of water
 - * for stiff alginate **(1)** 3 scoops + water (high viscosity level)

Ideal mixing ratio: 21.2 g = 3 measuring scoops: 46 ml = 1 full beaker.

You can make the mixture thinner or thicker by adding more or less water respectively.

(1)Cavex stiff alginate technique

The impression technique to make an accurate first (functional) impression for a stable denture. It is the combination of an impression tray with rimlock for edentulous jaws e.g. Schreinemakers' full denture tray system" and stiff (high viscosity) Cavex alginate. Stiff alginate is the normal amount of powder with 30% less water. The high viscosity alginate pushes the soft tissue aside. As a result the anatomical details, even the frenae are clearly visible. The gypsum model can be lined-out accurately and fully, which enables the dental technician to ensure that the individual tray is a perfect fit. The result: a stable denture and satisfied patient.

Mixing

- Mix both components together carefully and thoroughly for 30 seconds until a smooth and homogeneous mixture is obtained.
- Fill the tray immediately and use a wetted finger to stroke it smooth.
- Make sure that the patient has rinsed the mouth with warm water in the mean time.

Taking the impression

- Within 40 seconds after mixing, insert the filled impression tray into the patient's mouth applying gentle pressure.
- Allow the impression material to set in the mouth for 1 minute.
- Remove the tray from the mouth in a single rapid movement.
- Rinse the tray under cold running water to remove saliva and any residues.
- Remove any excess water, but leave the surface moist. Never blow-dry!

Making the plaster models

- Immediately after rinsing, pour out the plaster impression and make a second plaster model if desired.
- If immediate pouring is impossible: store the impression in a firmly sealed plastic bag and add a few drops of water to achieve a relative humidity of 100%. This is essential for optimum results at a later pouring.
- Make the plaster model within 48 hours after taking the impression.

For preference, use one of the following plaster products:

Type 3: Moldano® (Heraeus Kulzer)

Type 4: Moldastone®, Moldasynt® (Heraeus Kulzer)

Product specifications

Cavex Orthotrace meets the ISO 21563 and ADA 18 standards.

	ISO 21563*	Cavex Orthotrace	
Powder / water ratio	-	21.2 / 46	g / ml
Mixing time	< 60	30	sec.
Total working time according to manufacturer's indication		1.10	min.
Total setting time according to manufacturer's indication		2.10	min.
Compression strength	> 0.35	1.00	MPa
Recovery after distortion	> 95	>96	%
Elastic distortion	5-20	14-16	%
Detail reproduction	50	50	µm

* measured with deionised water at 23°C

Mixing scheme Cavex Orthotrace

mixing	filling + placing	Setting in mouth
30 sec.	40 sec.	1 minute

total working time

1 minute 10 seconds

setting time

2 minutes 10 sec.

Note.

1. The working/setting times increase with a lower (water) temperature. At higher temperatures the times become shorter.
2. The water hardness has the same effect: the harder the water used for mixing, the shorter the working/setting time.

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