INSTRUCTIONS FOR USE Cavex ColorChange CE **GB**

Indication
Cavex ColorChange is a new-generation alginate which changes colour during the working process. Thanks to the adapted reaction mechanism the impressions made with Cavex ColorChange are 9 days dimensional stable when properly stored in a firmly sealed plastic bag (100% R.H.). Cavex ColorChange is suitable both for general dental practice and for orthodontics. The colour change effect makes it particularly attractive for paediatric dentistry.

Colour change
The changes in colour during the different stages of the process help you identify the crucial moments the procedure:

- powder	pale pink
- mixing	purple
- filling tray, placing tray in patient's mouth	pink
- set powder, removing tray from patient's mouth	white

Storing Cavex ColorChange
- Always store Cavex ColorChange in a cool, dry place.
- After opening the packaging store Cavex ColorChange in a firmly closed storage box. Always close the box immediately after using the material.
  Air and moisture can negatively affect the colour change.

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 rim lock 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
- During the purple phase (approx. 30 sec.) mix until a smooth, homogeneous mixture is obtained.
- The colour change from purple to pink indicates the end of the mixing time.
- Fill the tray with the pink impression material and use a wettened 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 1 minute after mixing, place the tray containing the pink impression material into the patient's mouth applying gentle pressure.
- The colour change from pink to white indicates that the tray is ready for removal from the mouth.
- 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 still humid impression in a firmly sealed plastic bag to obtain 100% relative humidity. This is essential for optimum results at a later pouring.
- Make the plaster model within 9 days of the impression taking.

For preference, use one of the following plaster products:
Type 2: Instant Stone (Cavex Holland BV)
Type 3: Moldano® (Heraeus Kulzer)
Type 4: Moldastone® , Moldasynt® (Heraeus Kulzer)

Product specifications

Cavex ColorChange meets the ISO 21563 and ADA 18 standards.

	ISO 21563*****	**Cavex ColorChange**	
Powder / water ratio	-	21.2 / 46	g / ml
Mixing time	< 60	30	sec.
Total working time according to manufacturer's indication		1.30	min.
Total setting time according to manufacturer's indication		2.30	min.
Compression strength	> 0.35	0.90	MPa
Recovery after distortion	> 95	96.3	%
Elastic distortion	5-20	14.7	%
Detail reproduction	50	25	µm

* measured with deionised water at 23°C

Mixing scheme

mixing	**filling + placing**	**setting in mouth**
30 sec.	1 minute	1 minute
Purple	Pink	White

total working time

1 minute 30 sec.

setting time

2 minutes 30 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.

28.3.17