

INSTRUCTIONS FOR USE CAVEX CLEVERCAST ALGINATE

Features:

Cavex Clevercast premium alginate features superior water absorption. This results in easy mixing and a smooth lumpfree alginate paste.

Cavex Clevercast has a predictable processing time, a good tear strength and gives an excellent detail. Cavex Clevercast has an attractive light-green colour.

Cavex Clevercast is specially made for casting small and large impressions of body parts.

Cavex Clevercast is also dustfree: the powder is treated in such a way, that no dust is generated during dosing and mixing.

Performance and specifications:

Contents:	500g
Colour:	Light-green
Fragrance:	No
Consistency:	Solid
Detail reproduction:	25 μm
Tear strength:	0,7 Mpa
Compressive strength:	0,8 Mpa
Setting type:	Normal & slow
Dust-free:	Yes

Dosing:

Mix water (at room temperature) with following mixing ratio (powder:water)

- For a small impression: 1:3 or 1:4
- For a large impression: 1:3 or 1:4

Babyhand: for example 200g powder + 600 ml water

Adulthand: for example 500g powder + 1500 ml water

Mixing

Mix both components together carefully and thoroughly for 60 seconds until a smooth and homogeneous mixture is obtained. You can make the mixture thinner or thicker by adding more or less water. To reduce air bubbles we advise to mix the powder with $\frac{1}{2}$ of the water volume first and add remaining water volume after 30 seconds of mixing. Lukewarm water can also reduce air bubbles in the mix.

After mixing immediately place body part into the mix, take the bodypart out once and immediately place into the mix again. Keep the body part still until the alginate is fully set. Make sure you do not touch the sides of the bucket. Wait until the alginate is hardened before removing the body part. Because of its elastic nature body part is able to take out without deformation of the mold.

Setting times:

Cavex Clevercast normal set takes about 3-5 minutes setting time.

Cavex Clevercast slow set takes about 7-9 minutes setting time

Note.

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

Casting:

An alginate mold can be used once. We advise to pour the plaster or other casting material within 15 minutes or store in 100% relative humidity (a closed plastic bag)

Storing Cavex Clevercast powder:

Always store Cavex Clevercast Alginate in a cool, dry place.

After opening the packaging store Cavex Clevercast Alginate in a firmly closed storage box.

Always close the box immediately after using the material

Safety note:

Cavex Clevercast can be safely used on all areas of the body, it is non-toxic, non-allergic, free of lead and cadmium.

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