

Special silicone for pressure-free impression taking, addition curing, low viscosity, with colour change

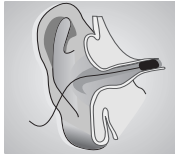


Fig. 1

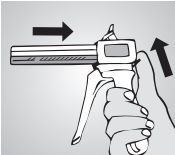


Fig. 2

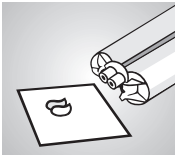


Fig. 3

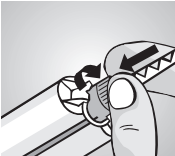


Fig. 4



Fig. 5

1. Ear preparation

Before taking an impression, the auditory canal and the eardrum have to be examined. If distinctive features are found (eg inflammations or perforation of the eardrum) impression must not be taken. In case of thick cerumen deposits and hairs in the auditory canal, the auditory canal has to be cleaned and depilated. In order to achieve a microfine separating layer, the whole skin contacted area (auditory meatus, concha and marginal areas of the auricle) is moistened with **preclean** solution, using a wadding stick or a cotton pad. Conditioning of the ear with **preclean** solution offers the following advantages:

- easier removal of the otoplastics
- homogeneous, completely vulcanised surface, without any smearing layer (inhibition layer)

Before taking the impression, the eardrum must be protected with an impression plug placed at the end of the external auditory canal in front of the eardrum (Fig. 1).

2. Mixing

Place cartridge into Automix mixing gun (Fig. 2) and unscrew cap. Carefully extrude a small amount of material to ensure proper flow from both orifices (Fig. 3). Insert mixing cannula into guide grooves on cartridge and rotate anti-clockwise to a stop (Fig. 4). For reducing efforts during injection, mixing cannulas of a larger diameter (9 mm) can be used alternatively. If necessary, mount also an Intra-Tip. Dispenser is now ready to mix silicone in any amount needed. Slowly apply the impression material into the auditory canal until the concha is filled completely (Fig. 5).

Particularly light bodied **addition chroma**® allows an almost pressure-free, steady flow into the ear. Keep the end of the cannula immersed on the surface of the material during dispensing. The colour change from blue to white indicates the end of the setting reaction. Attention: Due to the inhibiting effect of the cerumen, an insufficient cleaning of the ear results temporarily in a slightly blue colouring of the impression surface. However, this incomplete colour change doesn't impair the setting reaction. After colour change to white remove the impression carefully from the ear. Re-examine the ear. Leave mixing cannula on cartridge after use, thus sealing the cartridge.

Important working hints

- Do not combine with condensation curing silicones.
- Cured impression materials are chemically inert – spots on clothing should be avoided.
- Be sure to remove all traces of impression material from the patient's ear.
- Latex gloves and latex contaminated surfaces as well as cerumen, cremes and resins may affect the setting reaction of **addition ultra**® and also retard the colour change.
- A careful preparation (point 1) as well as a thorough cleaning of the auditory canal is required before taking an impression.

! A slightly **bluish shade** of the impression surface after removal is caused by an insufficient cleaning of the ear (inhibition layer). The setting reaction, however, is not affected.

Indications for use:

- Ear impressions

Technical data:

- **Mixing volume:** 50 ml (cartridges)
- **Mixing ratio:** 1:1
- **Colour code:** base: blue catalyst: white
- **Mixing time:** omitted
- **Setting time:** approx. 3 min. at body temperature
- **Final hardness:** approx. 35 Shore A
- **Strain in compression:** 8.5 % ± 0.5 %
- **Recovery from deformation:** 99.5 %
- **Linear dimensional change:** < 0.2 %
- **Application:** At 23 °C ± 2 °C / 73 °F ± 4 °F, 50 ± 5% rel. humidity

Ordering information:

addition chroma®
Automix1
Standard packing **02331**
Cartridges of 8 x 50 ml
Base + Catalyst
(sufficient for approx.
50 ear impressions)

Mixing cannulas
6 mm, 50 pcs. **02123**
6 mm, 100 pcs. **02393**
9 mm, 50 pcs. **02047**
9 mm, 100 pcs. **02186**

Intra-Tips **02345**
96 pcs.

Inject gun **02083**
Automix1

addition chroma®
Automix2
Standard packing **02232**
Cartridges of 4 x 50 ml
Base + Catalyst
(sufficient for approx.
25 ear impressions)

Mixing cannulas
pink, 25 pcs. **02770**
green, 25 St. **02774**

Intra-Tips **02771**
25 pcs.

Inject gun **02699**
Automix2

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