aquaplus® putty

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Instructions for use

Floatable special silicone for adapting of long-term noise and water plugs, addition curing

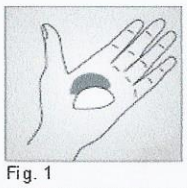
Fig. 1

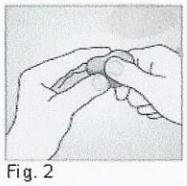
Fig. 2

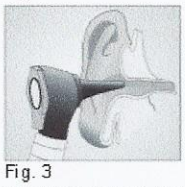
Fig. 3

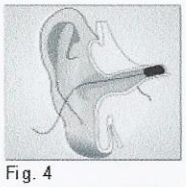
Fig. 4

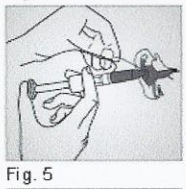
Fig. 5

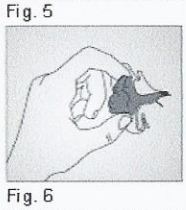
Fig. 6

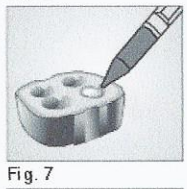
Fig. 7

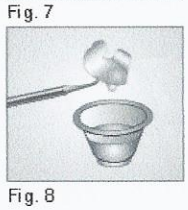
Fig. 8

1. Mixing and Dosing

Remove impression material A (white) and B (red/blue) using measuring scoops (Fig. 1). Mix together (mixing ratio 1:1) until a uniform colouring is achieved (Fig. 2). Fill the homogeneous mixture into an impression syringe and apply in any amount needed.

2. Application using the direct method

Ear preparation: Before taking an impression, the auditory canal and the eardrum have to be examined (Fig. 3). If distinctive features are found (e.g. in ammations or perforation of the eardrum, tubes) impression must not be taken. The auditory canal has to be cleaned and depilated. In case of insuf cient cleaning, remaining cerumen can cause retarded setting resp. inhibition of setting process.

Before taking the impression, the eardrum must always be protected with an impression plug (e.g. blue secure) placed at the end of the external auditory canal in front of the eardrum (Fig. 4). Now aquaplus is injected directly into the prepared ear of the patient (Fig. 5) as described under point 1. After curing remove the impression carefully from the ear (Fig. 6). Finally it is essential to re-examine the ear to make sure it has not been damaged (Fig. 3). The earmould is trimmed and polished as described under point 4.

3. Application in the lab (indirect method)

All commercially available plasters and gel materials can be used for the fabrication of the negative form. Coat the plaster negative form with a usual alginate based insulation. An insulation of gel forms is not necessary. The bubblefree injected material vulcanises at room temperature without pressure application. If a handle is needed, we recommend the installation of detax handy or grip tool according to special instructions. A plaster negative form with counter can be made for the fabrication of otoplastics, in order to shorten trimming: Fill one part of the ask with plaster and embed the insulated impression. After setting of the plaster open the ask. Scald both parts of the ask with boiling water and coat them with a usual alginate based insulation. Extrude aquaplus from the syringe (point 1) into the negative form and close ask with counter accurately (Fig. 7). After vulcanisation open the ask and remove the die.

4. Final trimming and varnishing

For moulding and surface trimming use special cutters or grinding sleeves. If a handle is needed, we recommend the installation of detax handy or grip tool according to special instructions. For smoothing the surface, use the DETAX silicone lacquers according to their special instructions (Fig. 8).

Important working hints

- Do not combine with condensation curing silicones.
- Cured silicone materials are chemically inert spots on clothing should be avoided.
- Be sure to remove all traces of silicone material from the patient's ear.
- Latex gloves and latex contaminated surfaces as well as cerumen, cremes and resins may inhibit the setting reaction of aquaplus (we recommend standard gloves made of nitrile rubber or polyethylene).
- A careful preparation (point 1) as well as a thorough cleaning of the auditory canal is required before taking an impression.

Safety advice

The impression taking of the external auditory canal has to be executed by trained specialist staff only. The working instructions and precautionary measures have to be strictly observed. Non-observance might lead to irreparable damage of the ear or ear drum. DETAX is not liable for any damage caused by improper application of the impression material.

Further information:
Silicone based materials are proven a million times. On condition of a proper application, undesired effects are not to be expected. However, reactions of the immune system like allergies, irritations, cannot be absolutely exduded. In case of doubt, we recommend to make an allergy test before the application of the material.

For use by trained specialists only.

After each impression taking the auditory canal has to be re-examined!

Indications for use:

- Direct or indirect fabrication of noise and water protection earmoulds

Technical data:

- Mixing volume: 2 x 250 ml (jar)
- Mixing ratio: 1:1
- Colour code: base: red or blue catalyst: white
- Mixing time: 30 sec.
- Setting time: direct method: approx. 5 - 6 min. at body temperature indirect method: approx. 10 - 15 min* at room temperature (approx. 23 C/ 73 F)
- Final hardness: approx. 35 - 40 Shore A
- Application: At 23 C 2 C/ 73 F 4 F, 50 5% rel. humidity
- Storage:

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