

Automix2 cartridge – system

Urethane methacrylic resin, auto-cure polymerisate, MMA free

Mixing ratio 10 : 1

For the indirect fabrication of hard acrylic earmoulds

Application: at approx. 23° C / 73 °F

Colour code: Base: transparent, rose-transparent, beige-brown
Catalyst: whitish

Application: Manufacture of an earmould using the indirect method

Prepare the ear impression in order to achieve the desired form, then varnish it with an impression lacquer or wax it. Cast a silicone negative form in a flask, using for eg. addition curing duplicating silicones such as **durosil[®]** or **duglasil[®]** according to their instructions.

Prior to applying **acrylon[®]**, the silicone negative form must be absolutely clean, dry and free of residues. Insert **acrylon[®]** cartridge into the inject gun II (please note: new model), remove and dispose of closure cap. Do not re-use. For exact flow control, prior to affixing of mixing cannula extrude a small amount of material from the cartridge until a uniform flow from both orifices is achieved. Then insert mixing cannula paying attention to its colour code. After each application leave the filled mixing cannula in place to seal the cartridge.

By squeezing the gun trigger first of all extrude a pea-size quantity of the material and dispose it. Next extrude **acrylon[®]** material slowly into the auditory canal of the negative form. To avoid air bubbles during injection into the form hold mixing cannula immersed at the bottom of the form. After complete filling of the auditory canal the material is injected uniformly into the concha areas, similar to impression material. Finally, the negative form is checked again for eventual bubble inclusions. Do not remove mixing cannula from cartridge.

After 4 –5 minutes without any energy input the material has set sufficiently to be removed from the negative form. To remove the inhibition layer given by the system, clean the moulding with alcohol. The material is ready now for final trimming.

For sculpting and surface trimming we recommend the use of commercially available steel tools for trimming acrylic earmoulds.

For smoothing the surface use light curing lacquers or air-drying acrylic lacquers according to their instructions.

Polymerisation: 4 - 5 minutes **in the negative form.**

Special hints: Surface defects and fractures can be easily corrected with **acrylon[®]**. Prior to application, roughen the corresponding areas and wipe them with a dry cloth. (During trimming of the mould please take care to use personal protective equipment; moreover we recommend the use of a vacuum suction system!).

Caution: Cured materials are chemically inert – spots on clothing should be avoided!

