

INSTRUCTION FOR USE

GlassyLute

Radiopaque Glass Ionomer cement for Fixation

COMPOSITION

Powder : Fluoroaluminosilicate glass powder, Modifier

Liquid : Polyacrylic acid, Malic acid and Tartaric acid

PROPERTIES

Glass Ionomer cement GlassyLute contains modifiers and additives, controlling time and mechanism of paste formation.

Mixing of powder with liquid forms a plastic paste with film thickness 10 µm. After hardening forms a cement with high biocompatibility to hard tooth tissues, sufficient strength (185MPa) and acid erosion resistance.

Polyacrylic acid binds with dentin calcium and provides chemical adhesion and marginal fit of cement to hard tooth tissues and main construction materials. Conditioning of hard tooth tissues surfaces improves cement adhesion. Fluorine-containing glass filler is able to accumulate and release fluorine ions, this providing prolonged anticaries effect. Aesthetic properties of material allow to use it for fixation of metal-free crowns and bridges made of high-strength ceramics.

Dental product is intended for use in aggressive biological medium with the temperature range between 32°C and 42°C (in oral cavity at the temperature (37±1)°C and humidity 60-90 %).

INDICATIONS

For fixation of Crowns, Dental bridgework, Inlays , Onlays and Orthodontic Brackets

CONTRAINDICATIONS

Drug idiosyncrasy

Use with great care for allergic patient

Don't misuse

SIDE EFFECTS

As far as all terms of storing, transporting and application are observed, there are no side effects

METHOD OF USE

Shake the jar with powder before use, without turning over, tapping on palm.

1. Surface preparation

Prepared, cleaned and dried tooth stump should be treated with conditioner with the help of applicator (cotton ball or sponge). In 10-15 seconds clean thoroughly the cavity with water and dry slightly till glossy surface.

DO NOT OVERDRY!

2. Mixing

Mix powder with liquid on mixing pad or glass plate with plastic or metal spatula, at the room temperature (18-23)°C.

Comply with recommended ratio:

Ratio powder/liquid, g/g	1.4/1,0 1 dose meter of powder spoonful / 1 drop of liquid
Mixing time, sec	30-45
Working time, min.	2,0-2,5
Hardening time from the start of mixing, min.	4-5

Higher temperature cut working time, lower temperature (for example during mixing on cooled glass plate) extend working time. Raising of ratio – powder/liquid cut working time. However, insufficient amount of powder worsening cement properties.

To reach optimum properties of material it is IMPORTANT TO FULFILL TEST MIXING complying with recommended by manufacturer powder/liquid ratio.

At first mix half of measured out powder with liquid within 10-15 seconds. Then add the rest amount of powder by portions and mix by circular motions of spatula within 20-30 seconds till plastic consistency.

For fixation, insert material into crown and fix it on prepared tooth stump without over compressing. Patient should articulate and with constant pressure wait for hardening of material. Remove excess of material.

It is recommended for patient not to eat within 2 hours.

Right after mixing clean metal instruments from material remains.

Attention! After application tightly close container with cement.

In case of eye or skin contact as well as contact with soft tissues of oral cavity, remove material immediately and wash with water.

PRESENTATION

Powder (bottle)	35g	Ref no 005-01-3520
Liquid (bottle)	25g	
Measuring spoon	1 piece	
Mixing pad	1 piece	

STORAGE

Store at the temperature from 5°C to 25°C. Keep in dry place

Tightly close container immediately after use

Keep away from humidity!

Do not use after expiry date

Shelf life – 3 years

MANUFACTURER

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Not For Medicinal use, For use in Dentistry By Dental Professional only

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