

	FLOW LINER COMPOSITE DENTAL FILLING	Document Number	KK.11
		RELEASE DATE	15.01.2018
		Revision Date	20.09.2024
	USER MANUAL	Revision Number	05

RADIOPAQUE FLOWABLE RESIN MODIFIED GLASS IONOMER FILLING AND LINING MATERIAL

1. PRODUCT INFORMATION

Fluorine releasing resin modified glass is an ionomer-based filling and base material. It is a low-viscosity, light-curing, radiopaque restorative material.

2. CONTENT

In the product composition; methacrylate resins (UDMA, TEGDMA), inorganic filling materials, fluorosilicate glass, quartz, silica, photoinitiator and inhibitor. Inorganic fillers (65% by weight, 52% by volume)

3. FEATURES & BENEFITS

- **Fluorine Release:** Protects the tooth against caries.
- **Fluidity:** With its thin and fluid structure, it provides ideal spread in cavities.
- **Ideal Thixotropy:** Allows controlled filler manipulation
- **Radiopacity:** It can be easily detected in x-rays, thus providing ease of diagnosis.
- **Easy Application:** Provides ease of use with precision tip injectors.

4. INDICATIONS

- Base material under amalgam and composites.
- Pit & Fissure sealant.
- Liner in deep cavities.
- Treatment of small lesions.

5. CONTRAINDICATIONS

- Restorations bearing large occlusal load.
- Situations that require application in thick layers.
- Routine undergingival applications. In subgingival restorations, the fluid structure of the material can complicate control and affect marginal adaptation.
- Inadequate insulation and humidity control.
- In patients with sensitivity and allergy to any of the direct hardening and product ingredients.

6. APPLICATION INSTRUCTIONS

- Prepare the cavity for restorations.
- Isolate the tooth from the teeth next to it. Use transparent thin strips.
- A calcium hydroxide-based base material should be used in areas close to the pulp.
- The cavity must be clean and dry. Dry dentin surfaces to strengthen bonding.
- Apply acid and bonding according to the rules.
- Remove the cap of the injector and insert the tip.

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- Apply the restorative material to the cavity no thicker than 1 mm.
- Keep the beam device as close to the cavity as possible during curing.
- LED light source emitting blue light in a narrow wavelength range between 450-490 nm (1000-1200mW/cm² power), 20 sec. irradiation for each layer, or HALOGEN light source between 380-500 nm (700mW/cm² power) 40 sec. irradiation for each layer is recommended as a photo initiator.
- Take care to ensure that the airway is free of fat and other contaminants.
- After the application is finished, close the lid of the injector to make sure that it will not get air.
- Closing the lid of the product after each use does not change the current expiration date. The product can be used for the specified shelf life.

7. ALERTS

- If any nausea or other allergic reactions occur during administration, discontinue use immediately and seek medical attention.
- Uncured methacrylate resin can cause contact dermatitis and damage to the pulp. Avoid contact with skin, eyes and soft tissue. If it comes into contact, clean it thoroughly with water
- If swallowed, drink plenty of water, do not induce vomiting. Consult a doctor immediately.
- Wear personal protective equipment such as disposable masks, gloves and goggles when working with this product.
- Do not use this product for any purpose other than the treatments outlined in the indications section in this user manual.
- Avoid the use of eugenol, eugenol may disrupt the polymerization of the restorative or cause discoloration, so zinc oxide should not be used with cements containing eugenol.
- This product is intended for use in dentistry only.
- To avoid cross-contamination between patients, the application tips are disposable for each patient.
- Do not use damaged syringe tubes.
- Retract the plunger after application to prevent unwanted flow of the restorative from the tip.
- Protect from visible light before use.

8. PACKAGING

- Fluorine liner: Available in 4 x 2 g or 2 x 2 g syringe tubes.

9. STORAGE CONDITIONS

- The product should be stored in a cool, dry and dark environment.
- Store syringes between 5 and 25 degrees Celsius at a relative humidity of 30% +/-5%.

 PROFESSIONAL DENTAL PRODUCTION	FLOW LINER COMPOSITE DENTAL FILLING	Document Number	KK.11
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- Store dry, cool and not exposed to direct sunlight.
- The expiry date is indicated on all packaging. Do not use after the expiration date.
- Shelf life is 3 years.

10. SYMBOLS

	Production Date
	Producer
	Refer to the user manual
	Lot number
	Temperature display
	Attention
	CE Standard
	Protect from sunlight
	Non-sterile mark
	Store in a dry place
	It is disposable
	MRI is safe
	DEHP Free
	LATEX-Free
	Expiry Date
	Relative humidity display
	Contains Nano Material.

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 Warning H3 15 H3 35 H3 13	It can lead to skin, eye and respiratory tract irritation.
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11. COMPANY INFORMATION

Manufacturer: FSM DENTAL MEDİKAL MAKİNA SANAYİ VE TİC.LTD.ŞTİ.

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