



INSTRUCTIONS FOR USE

Freedom is the ideal fluoride releasing, condensable, radiopaque, light cured compomer. Freedom combines composite and glass ionomer technology for a no mix material with improved esthetics, easily sculptable handling and ease of polish. Freedom's non-stick handling facilitates placement and adaptability to the preparation. Freedom is available in single dose complets. The Freedom shade range consists of eight popular Vita equivalent shades - A1, A2, A3, A3.5, A4, B4, C4 and D3.

COMPOSITION

23% wt (38% vol) multifunctional methacrylic ester
77% wt (62% vol) inorganic filler (0.04 - 1 micron)

INDICATIONS FOR USE

Suitable for Class V restorations, cervical abrasion/erosion lesions, Class III restorations, all restoration types in deciduous teeth, miscellaneous restorative repairs, geriatric restorations, abfractions and fillers prior to crown placement.

INSTRUCTIONS

Clean and isolate tooth. A conservative cavity should be prepared, employing standard techniques and instruments, to form a slightly rounded internal form. Margins of the cavity preparation should end in sound and supported enamel with no bevels in stress bearing locations. If bevelling is desired in a low stress location it should extend no further than 1mm at an angle of no greater than 45°. Pre-wedging is also recommended to ensure that the restored tooth will have an adequate contact point. Prophylax all surfaces to be etched including surfaces adjacent to the cavity with an oil free non-fluoride containing paste or a slurry of pumice and water. Rinse thoroughly with water.

Shade Selection

Shade selection should be made with a just cleaned and moist tooth using the SDI compomer Shade Guide.

NOTE: Do not use uncured paste for color matching as there is a slight color change upon curing.

Isolation

Isolation techniques must be used to prevent contamination. Rubber dam is the preferred mode of isolation.

Pulp Protection

For deep cavities an appropriate liner or cement should be placed at the deepest point of the cavity.

1. Acid Etching

Thoroughly dry the surface to be etched with dry, oil-free air. Etch tooth surface with Super Etch 37% phosphoric acid.

(a) Enamel only

Etch surface for at least 20 seconds.

(b) Dentin and enamel

Using the "total etch" technique etch the surface including any glass ionomer for at least 20 seconds.

Enamel subjected to fluoridation should be etched for 90 to 120 seconds.

Etching Precautions: Ensure that the dispensing tip hub is **firmly** attached to the syringe by twisting the hub securely onto the syringe. Avoid acid contact with oral tissues, eyes and skin. If accidental contact occurs wash thoroughly with water. In the case of eye contact, wash eye for 15 minutes and seek medical attention. Use matrix strips to protect adjacent tooth surfaces during etching. On first usage or after prolonged storage, extrude a small amount onto a mixing pad for familiarity with the etchant's viscosity and rate of extrusion.

2. Wash thoroughly with water

3. Remove excess water. Keep moist. Avoid contamination e.g. saliva.

4. Apply Stae dentin/enamel adhesive to saturate all internal surfaces, or bonding agent according to manufacturer's instructions.

5. Blow gently with dry, oil-free air for 2 seconds to evaporate solvent. Leave surface glossy.

6. Light cure for 20 seconds.

7. Place Freedom in increments of 2mm or less in:

7.1 Class III and Class V restorations, and

7.2 Minimal Class I and Class II restorations, or other restoration as required.

NOTE: Extrude the paste using a steady pressure.

WARNING: Apply restorative at normal room temperature (23°C/74°F).

TABLE 1

Maximum depth of cure ISO 4049:1988

SHADE	CODES	TWENTY SECONDS DEPTH OF CURE (mm)
Standard	A1	3.5
Universal	A2	3.5
Extra Light Yellow	A3	3.5
Dark Yellow	A3.5	3.5
Extra Dark Yellow	A4	3.5
Yellow	B4	3.5
Grey	C4	3.0
Brown	D3	3.5

8. Light cure each Freedom increment for a minimum of 20 seconds. For dark shades 40 seconds cure time is recommended.

9. Polishing of Freedom

(a) Remove excess Freedom and contour desired shape using a fine diamond or a 12-fluted carbide bur.

Tips for polishing using a flexible disc system:

(i) The polishing motion should be constant and unidirectional.

(ii) A back and forth movement over the composite-enamel margin is not recommended.

(iii) Keep the surface and polishing disc dry while polishing. A dry surface will produce a smoother, more uniform finish.

(iv) Do not use a handpiece with a speed greater than 35,000 rpm.

(v) Avoid touching the composite with the mandrel or disc eyelet.

(b) For gross reduction, set the speed of the handpiece to approximately 10,000 rpm. Use the coarsest grit disc of the range and polish the restoration starting at the gingival and moving outward over the restoration. Replace the disc if cutting efficiency impaired. Wash and dry.

(c) For final contouring, use a medium coarse grit at a speed of approximately 10,000 rpm. Wash and dry.

(d) For finishing, use a medium fine grit disc at a speed of approximately 30,000 rpm. Wash and dry.

(e) Finally, use the finest grit disc at 30,000 rpm. Wash and dry.

Note: After step 9, polishing paste may be used to give the compomer a lustrous finish, using the following steps.

(i) Apply SDI Polishing Paste to a rubber cup or disc.

(ii) Smear a thin layer of paste onto the restoration.

(iii) Add a small amount of water to both the tooth and cup. Polish for 30 seconds at low speed and light pressure.

(iv) Wash and dry.

PRECAUTIONS

Avoid prolonged contact of Stae and Freedom with the skin or oral tissue, as it may cause inflammation of the oral tissues or skin sensitization. Any persons having known resin allergies should immediately discontinue the use of Stae and Freedom.

Keep out of reach of children.

Do not take internally.

Do not refrigerate.

Store at temperatures between 10° and 25°C (50°-77°F).

When not in use replace the cap tightly.

Use at room temperature.

Do not use after expiry date.

Do not expose material to direct light.

Caution: Federal Law restricts this device for or on the order of a dentist.

Freedom 20 x 0.25g complet refill

Reorder

7440102	Standard	A1
7440203	Universal	A2
7440304	Extra Light Yellow	A3
7440405	Dark Yellow	A3.5
7440506	Extra Dark Yellow	A4
7441415	Yellow	B4
7442425	Grey	C4
7443334	Brown	D3

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