# freedom

FLUORIDE RELEASING COMPOMER

FLUORIDE FREISETZENDES KOMPOMER

COMPÔMERO COM FLÚOR

COMPOMERO QUE LIBERA FLUOR

COMPOSITE IONOMERE DEGAGEANT DU FLUOR

COMPOMERO CON RILASCIO DI FLUORO

COMPOMEER MET FLUORIDE AFGIFTE

FLUORAFGIVENDE KOMPOMER

KOMPOMER SOM AVGIR FLUOR

FLUORAVGIVANDE KOMPOMER

FLUORIA VAPAUTTAVA KOMPOMERI

ΥΒΡΙΔΙΟ ΣΥΝΘΕΤΗΣ ΡΗΤΙΝΗΣ ΚΑΙ ΥΑΛΟΙΟΝΟΜΕΡΟΥΣ ΤΟ ΟΠΟΙΟ ΑΠΕΛΕΥΘΕΡΩΝΕΙ ΦΘΟΡΙΟ

フッ素徐放性コンポマー




SDI

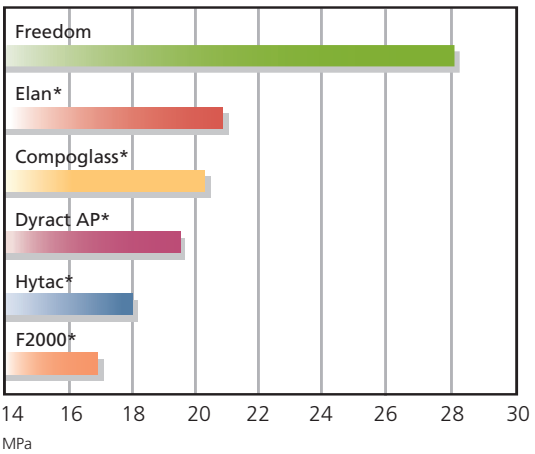
freedom

Freedom is the ideal fluoride releasing, condensable, radiopaque, light cured compomer

Freedom combines composite and glass ionomer technology to achieve improved esthetics, easy scupltable handling and polishability

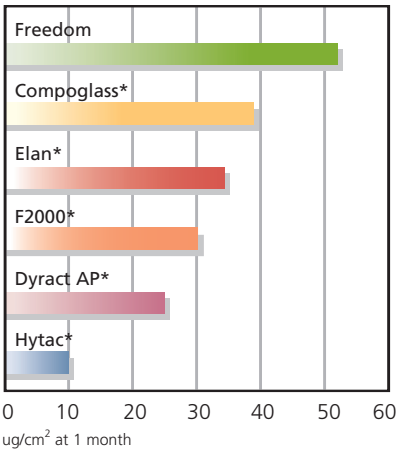
Freedom's non-stick handling facilitates placement and adapatability


**High Bond Strength (1),(2)**




Bonded restorations can reduce clinicaal problems, such as postoperative sensititivity, marginal staining and recurrent caries by preventing microleakage at the restoration-tooth interface (3) Freedom has the highest bond strength to enamel.

**Flouride release (1)**

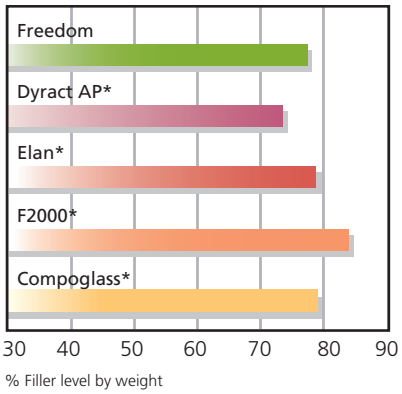



Fluoride enhances caries prevention, remineralization, and the inhibition of enamel demineralization. In an aqueous environment, Freedom's fluoride ions diffuse into the surrounding tooth from both the filler particles and resin.

**Indications**

- Cervical abrasion / erosion lesions
- Class V restorations
- Class III restorations
- Minimal Class I restorations
- Minimal Class II restorations
- Deciduous teeth restorations
- Geriatric Restorations
- Abfractions
- Miscellaneous restorative repairs

### Low wear (1)




Freedom has the optimal filler level for compomers, maximizing strength and minimizing wear.

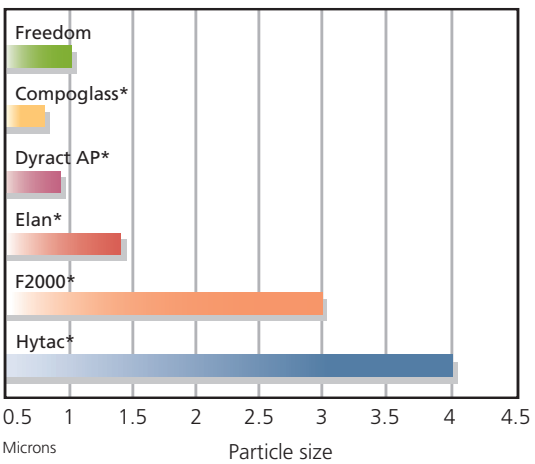
### Choice of shades (4)

Freedom is available in eight Vita equivalent shades. While most brands have the standard shades typical of composite resins, Freedom includes a number of darker shades that will facilitate the ageing patient in cervical areas.

### Increased hydrolytic stability

Unlike other compomers, Freedom is resistant to breakdown in the oral environment. The resin system's longer chain monomers ensures that the resoration maintains stability.

### High polishability (1)




Freedom's smaller particle size improves wear resistance and enhances polishability. Finish is also easier.

### Optimal handling characteristics (5)

Freedom is "easy to place and has good handling characteristics. Bulk reduction is easily accomplished. Consultants also praised the delivery system, firmness of the material"

### Composition

Freedom contains strontium glass which is chemically and biologically similar to calcium. Strontium glass is less electrospositive than barium glass, therefore less likely to decompose the resin bonds and breakdown the resin (6). The longer resin chains in Freedom resist breakown and enhance stability in the oral environment.

### Non Bisphenol A

Freedom avoids the controversy as it does not contain BisGMA nor its by product Bisphenol A.

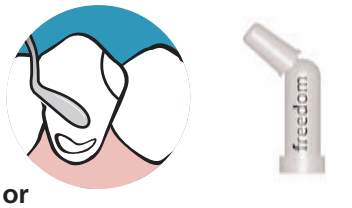
## INSTRUCTIONS

Isolate tooth, prepare cavity

1. Etch tooth surface with Super Etch 37% phosphoric acid for 20 seconds
2. Wash thoroughly
3. Remove excess water. Keep moist
4. Apply Stae dentin/enamel adhesive to saturate all internal surfaces, or other bonding agent according to manufacturer's instructions

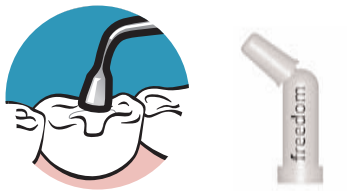

5. Blow gently with dry, oil-free air for 2 seconds to evaporate solvent. Leave surface glossy
6. Light cure for 20 seconds
7. Place Freedom in increments of 2mm or less in:

7.1 Class III or Class V restorations, or cervical abrasion/erosion lesions

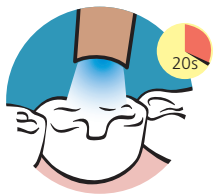



**or**

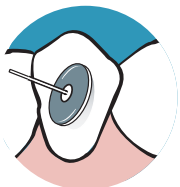
7.2 Desiduous teeth, minimal Class I and Class II restorations, or other restorations as required




8. Cure Freedom for 20 seconds in increments of 2mm




9. Polish and finish




**Freedom 20 X 0.25g complet refill**
Reorder

| | |
|---|---|
| 7440102 | A1 |
| 7440203 | A2 |
| 7440304 | A3 |
| 7440405 | A3.5 |
| 7440506 | A4 |
| 7441415 | B4 |
| 7442425 | C4 |
| 7443334 | D3 |


**Freedom Introductory kit**
Reorder 7400000
60 x 0.25g Freedom complets
A2, A3, A3.5, B4, C4, D3 - 10 each
5 mL Stae Bottle
2 x 2mL Super Etch syringes
25 Super Etch syringes
SDI complet applicator
accessories

freedom

SDI

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(1) Source: Published and SDI test data.

(2) Tate, W.H., You, C., Powers, J.M. Bond Strength of Compomers to Human Enamel, Operative Dentistry, 2000, 25, pp 283-291

(3) Schwartz, R.S., Summitt, J.B., Robbins, J.W., Fundamentals of Operative Dentistry: a Contemporary Approach, Chicago, Quintessence Publishing Co, 1996, Chapter 6, pp 141,157

(4) Duke, E.S., New Compomer Restorative Materials: Background and Indications, Contemporary Esthetics and Restorative Practice, Sepetember/October 1998.

(5) The Dental Advisor, Octobre, 1998, Volume 15, N° 8

(6) Bowen R.L., and Reed L.E., Semiporous Reinforcing Fillers for Composite Resins: I. Preparation of Provisional Glass Formulations. J. [ Dental Research Septembre - October1976, Vol 55, N° 5.

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