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## INSTRUCTIONS FOR USE

Wave is the ideal versatile fluoride releasing, flowable, radiopaque, light cured composite. Wave is directly injected into the cavity preparation for maximizing adaptation to the preparation. The Wave shade range consists of 14 popular shades - enamel A1, A2, A3, A3.5, B1, B2, B3, C2, C3, D3, incisal, gingival, bleach; and 0A2 dentin shade.

COMPOSITION WAVE:  
35% wt multifunctional methacrylic ester  
65% wt inorganic filler  
COMPOSITION WAVE MV:  
40% wt multifunctional methacrylic ester  
60% wt inorganic filler  
COMPOSITION WAVE HV:  
34% wt multifunctional methacrylic ester  
66% wt inorganic filler

INDICATIONS:  
Class V restorations; tunnel / air abrasion preparations; pit and fissure sealants; minimal Class I,II,III and IV restorations; radiopaque cavity liners; cervical abrasion/erosion lesions; abfraction lesions; implant seals; incisal abrasions; repair enamel defects; minor core build-ups; temporary crowns; cement porcelain/ceramic/ composite veneers; splint mobile teeth; attach fibre bridges; restorations in deciduous teeth; repair porcelain restorations; block out undercuts in inlay/onlay/crown preparations; cover stains.

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. 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. Directly inject Wave in increments of 2mm or less in:
  - 7.1 Class V restorations,
  - 7.2 Tunnel preparations,
  - 7.3 Pit and fissures sealants,
  - 7.4 Minimal Class I, Class II, Class III and Class IV restorations.
 Or other indication as required.

CAUTION: ensure that the dispensing tip is **firmly** attached to the syringe by twisting the tip hub securely onto the syringe.

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

8. Light cure Wave for a minimum of 20 seconds in increments of 2mm.
9. Polishing of Wave  
(a) Remove excess Wave 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 composite 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 Wave 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 Wave.  
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 to sale by on the order of a dentist.

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