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ions on the etched surfaces of the tooth and copolymerizing with the filling material.

2. The dental restoration kit of claim 1 wherein the particulate solid system is:

- (i) 100 parts of fine, silane treated glass,
- (ii) 0.1 parts of fine silica,
- (iii) 1.2 parts of benzoyl peroxide, and
- (iv) a trace of an iron oxide pigment having a color selected from the group consisting of red, yellow and black; and the liquid binder system is
  - (i) 56 parts of bisphenol-A/glycidyl methacrylate prepolymer
  - (ii) 15 parts of hydroxyethyl methacrylate,

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- (iii) 28 parts of ethyleneglycol dimethacrylate,
- (iv) 0.5 parts of methacrylic acid,
- (v) 0.06 parts of p-methoxyphenol, and
- (vi) 0.6 parts of N,N-dihydroxyethyl-p-toluidine.

3. The dental restoration kit of claim 1 wherein the glass onto which the silane is treated has the following composition:

- (1) 30-45 parts of quartz,
- (2) 20-30 parts of aluminum oxide,
- (3) 10-20 parts of cryolite,
- (4) 4-10 parts of aluminum phosphate, and
- (5) 10-20 parts of fluorspar.

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