

The proposed photosensitive color lacquer contains oligomer (oligoetheracrylate MDF-2), monomer (oligoetherisocyanuratimidic resin), coinitiator (4-phenylbenzophenon), polymerization inhibitor (diphenylamine), mix of dyes (methylene red dye, rodamine C, and methylviolet), photoinitiator (2-hydroxy-2,2-dimethylacetophenon) that enhances the photosensitivity of the lacquer, and filler. Kaolinite (hydrated aluminum silicate modified by synthesis process in vapor medium) is used as a filler.