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[\[PDF \(155K\)\]](#) [\[References\]](#)**Bond Strength between Luting Materials and a Fiber-reinforced Resin Composite for Indirect Restorations**[Yohsuke TAIRA](#)<sup>1)</sup>, [Miyuki SAKAI](#)<sup>1)</sup>, [Lei YANG](#)<sup>1)</sup>, [Takashi SAWASE](#)<sup>1)</sup> and [Mitsuru ATSUTA](#)<sup>1)</sup>

1) Division of Applied Prosthodontics, Graduate School of Biomedical Sciences, Nagasaki University

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**Abstract:**

The purpose of the present study was to evaluate the bond strength between a fiber-reinforced composite (FRC) and six luting agents (Panavia F 2.0, Linkmax MC, Chemiace II, Multibond, Super-Bond C&B, and Fuji I). A prosthodontic resin composite material (RC-control) and a luting agent containing no functional monomer (MT) were used as controls. Shear bond strengths between alumina-blasted FRC and the luting agents were determined after 20,000 thermocycles. The FRC showed superior bond strength when compared with the RC-control. Highest bond strengths were achieved when FRC was bonded with Panavia F 2.0, Linkmax MC, Multibond, Super-Bond C&B, and MT, whereas Chemiace II trailed in the list of resin-based luting agents evaluated. Insufficient bonding was obtained with Fuji I. Results of the present study revealed that when fabricating restorations, the clinician should select an appropriate combination of resin composite material and luting agent so as to ensure the longevity of restorations.

**Key words:**[Adhesion](#), [Cement](#), [Glass fiber](#)[\[PDF \(155K\)\]](#) [\[References\]](#)Download Meta of Article [\[Help\]](#)

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