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[\[PDF \(1121K\)\]](#) [\[References\]](#)**Comparative adaptation accuracy of acrylic denture bases evaluated by two different methods**[Chung-Jae LEE](#)¹⁾²⁾, [Sung-Bem BOK](#)¹⁾, [Ji-Young BAE](#)¹⁾ and [Hae-Hyoung LEE](#)¹⁾³⁾

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Abstract:

This study examined the adaptation accuracy of acrylic denture base processed using fluid-resin (PERform), injection-moldings (SR-Ivocap, Success, Mak Press), and two compression-molding techniques. The adaptation accuracy was measured primarily by the posterior border gaps at the mid-palatal area using a microscope and subsequently by weighing of the weight of the impression material between the denture base and master cast using hand-mixed and automixed silicone. The correlation between the data measured using these two test methods was examined. The PERform and Mak Press produced significantly smaller maximum palatal gap dimensions than the other groups ($p < 0.05$). Mak Press also showed a significantly smaller weight of automixed silicone material than the other groups ($p < 0.05$), while SR-Ivocap and Success showed similar adaptation accuracy to the compression-molding denture. The relationship between the magnitude of the posterior border gap and the weight of the silicone impression materials was affected by either the material or mixing variables.

Key words:[Acrylic denture base](#), [Adaptation accuracy](#), [Correlation](#)[\[PDF \(1121K\)\]](#) [\[References\]](#)Download Meta of Article [\[Help\]](#)

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