

A TECHNIQUE OF USING HOT GLUE GUN FOR BORDER MOLDING IN COMPLETE DENTURE PATIENTS

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ABSTRACT:

Low fusing Modelling plastic compound is the most commonly used material for border molding. Over the years, with the advancement in material sciences many materials came because of ease of manipulation as compared to modelling plastic compound. This article describes an easy cost-effective method to simplify the manipulation of modelling plastic compound.

Key words: Border Molding, Glue Gun, Complete Denture.

INTRODUCTION:

According to glossary of prosthodontic terms (GPT 8) border molding is defined as “the shaping of the border areas of an impression material by functional or manual manipulation of the soft tissue adjacent to the borders to duplicate the contour and size of the vestibule”.¹ For many years low-fusing (type I) modeling plastic impression compound has been in use for this purpose. Modeling plastic impression compound is defined as “a thermoplastic dental impression material composed of wax, rosin, resins, and colorants”.¹ Modeling compound records accurate border detail but it is difficult to manipulate over a flame. In the literature some techniques have been described to facilitate the use of modeling plastic impression compound by placing the compound in a syringe and heating it in a water bath but the method is time consuming.²



Hot glue guns are designed to melt a thermoplastic adhesive that comes in the form of sticks. Low-fusing compound has a melting temperature of 60°C, according to the manufacturer. A technique is described here to use hot glue gun for dispensing green stick modelling plastic compound.

PROCEDURE:

1. Plug the glue gun.
2. Load the glue gun with green stick modelling plastic compound.
3. Once the proper temperature is achieved, dispense the modelling plastic impression compound directly to the tray to be used for border molding (Fig. 2).
4. Tempering of the tray is done before insertion in the patient's mouth and then the border molding is done in conventional manner.

REFERENCES:

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FIGURES:



Figure 1. Modelling compound loaded in glue gun.



Figure 2. Glue gun dispensing the modelling compound