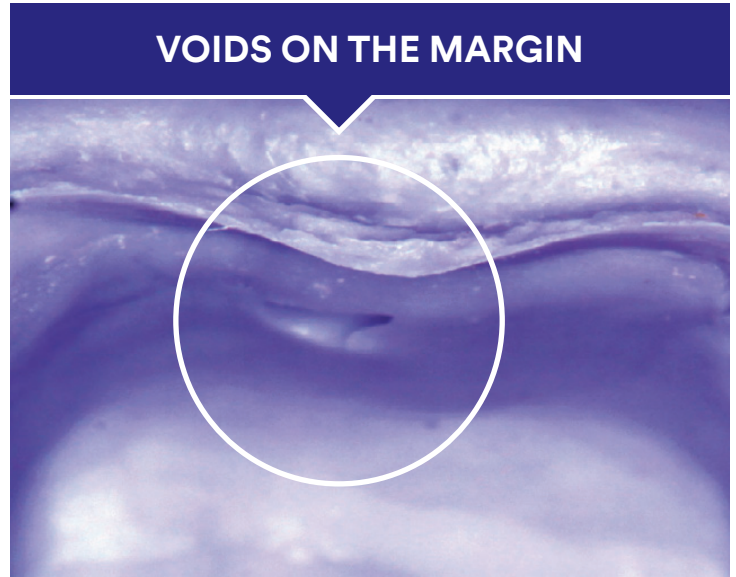


VOIDS ON THE MARGIN



Impression Troubleshooting Tips

Voids on the Margin

CAUSES	SOLUTIONS
Blood and saliva contamination around preparation	Rinse and dry the prepared area properly and stop any bleeding by using appropriate retraction/hemostatic agents. Liquid hemostatic agents and pastes based on aluminum chloride, aluminum sulfate or iron sulfate are suitable.
Improper syringe technique	Keep the mix tip permanently immersed in the paste to avoid the formation of air bubbles. Apply a liberal amount of wash material into the sulcus. Start from the bottom up and cover the whole abutment tooth with syringing material. Always keep the tip in close proximity to the surface.
Working time exceeded, flowability already impaired	Select material with sufficient working time (i.e. regular set instead of fast set). Make a choice depending on the individual situation and preference of material. Do not exceed working times given in the instructions for use. In case of 3M Dental materials follow given intra-oral syringing times for wash materials. Pay attention to storage temperature. Working times are reduced due to higher temperatures of the product, while intra-oral setting times might be longer if the temperature of the product is lower
Air bubbles in elastomer syringe or intra-oral syringe	Bleed cartridge prior to loading syringe. Keep flow of material consistent. Do not stop and start while loading the syringe.
Tray not seated properly	Slowly (approx. 5 seconds) insert the loaded tray into the mouth parallel to the long axes of the prepared teeth, and hold it in place without applying pressure. Maxillary arch: Seat the impression straight up. Make sure the handle is aligned with the patient's midline. Always hold the impression tray in the premolar area for stability. Mandibular arch: Seat the impression straight down over the arch while pulling out the patient's cheek. Make sure the tray handle is aligned with the patient's midline. Apply passive pressure in the premolar areas with your thumbs for stability.
Storage at elevated temperature	Store impression material at room temperature. Usually, times given in the manufacturers' instructions for use are valid for a storage temperature of 23°C/74°F. Working times are reduced due to higher temperatures of the product, while intra-oral setting times might be longer if the temperature of the product is lower. Due to its lower temperature sensitivity, Impregum™ Soft Polyether Impression Material is less affected by fluctuations in storage temperature than VPS materials.

Download 3M's tips at www.3M.com/GreatImpressions

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