

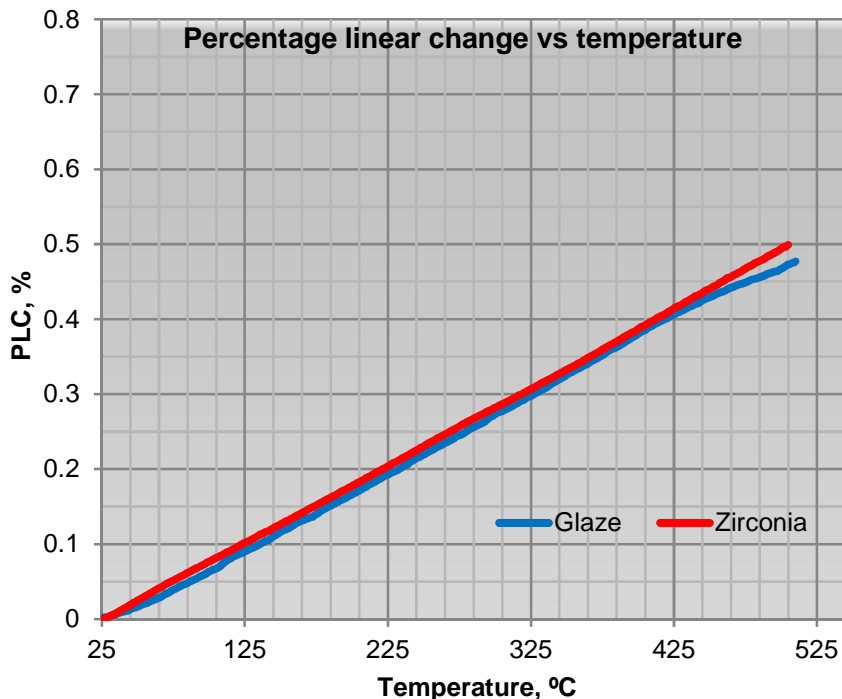


CGI UNIVERSAL STAINS AND GLAZES



CGI Universal glaze powders and pastes are compatible with all dental ceramic materials. The CTE and unique formulation of these materials have been proven in use on millions of units of crown and bridge restorations. The fluorescent version is especially suitable for zirconia and lithium silicate restorations to provide excellent shade characteristics in all lighting conditions.

WHY THE CTE OF GLAZE IS IMPORTANT



The coefficient of thermal expansion of the glazes matches perfectly with the coefficient of thermal expansion of zirconia.

Fig 1 shows the percentage of linear change of the two materials obtained from a dilatometric measurement during heating from 25°C to about 500°C. The curve of the glaze is slightly under the curve of the zirconia. During the glazing procedure the zirconia expands with the increase in temperature and the glaze melts, adhering to the surface of the restoration. During cooling the glaze material follows the same speed of contraction of the zirconia providing a final glazed restoration free of thermal stress, improving mechanical bonding and eliminating the problem of delamination. The glaze material also diffuses at the contact surface of the zirconia due to its specific formulation, improving bonding.

CGI glaze is the only one material with this tailored CTE for zirconia and lithium silicate restorations. However, even more conveniently, it works also with feldspathic porcelain crowns with less thermal stress after cooling compared with other glazes.



Manufactured by Ceragroup Industries

CGI UNIVERSAL STAINS & GLAZES:

Universal Glaze

Universal Fluorescent Glaze

Perfect CTE match

Enhanced bonding

Reduced thermal stress

Perfect coverage

Compatible with all dental ceramic materials

Improved esthetics

18 stains including A,B,C,D and 3 gingival shades

The confidence of a history of millions of restorations

MADE IN USA

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