

materials. The light-cured, resin-modified calcium silicate-filled material is an alternative to calcium hydroxide, glass ionomer, RMGI, IRM/ZOE and other restorative materials. The product exhibits several properties to help maintain ideal

hard-tissue health and to reduce the incidence of postoperative sensitivity. Its calcium release stimulates hydroxyapatite and secondary dentin bridge formation<sup>1-3</sup> while creating a seal that protects<sup>4</sup> and insulates the pulp.<sup>5</sup> Additionally, it has an alkaline pH to encourage healing.<sup>1,2,4</sup>

TheraCal LC is opaque white to help mask stained dentin and radiopaque for easy follow-up monitoring. The proprietary formulation allows for a command set with a light-curing unit while maintaining ease of placement because of thixotropic properties. The light-cured set permits immediate placement of the restorative material. A creamy, spreadable consistency facilitates placement, making TheraCal LC easy to manipulate without running or slumping when undisturbed.

The technology used with TheraCal LC has led to new-product development at Bisco. The newest addition to the Thera family is TheraCem, a self-adhesive resin cement that not only combines the use of very effective adhesion-inducing functional monomers, but also the ability to release calcium and fluoride.6

With both TheraCal LC and TheraCem, the dentist reduces procedure time and simplifies the overall restorative process.

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