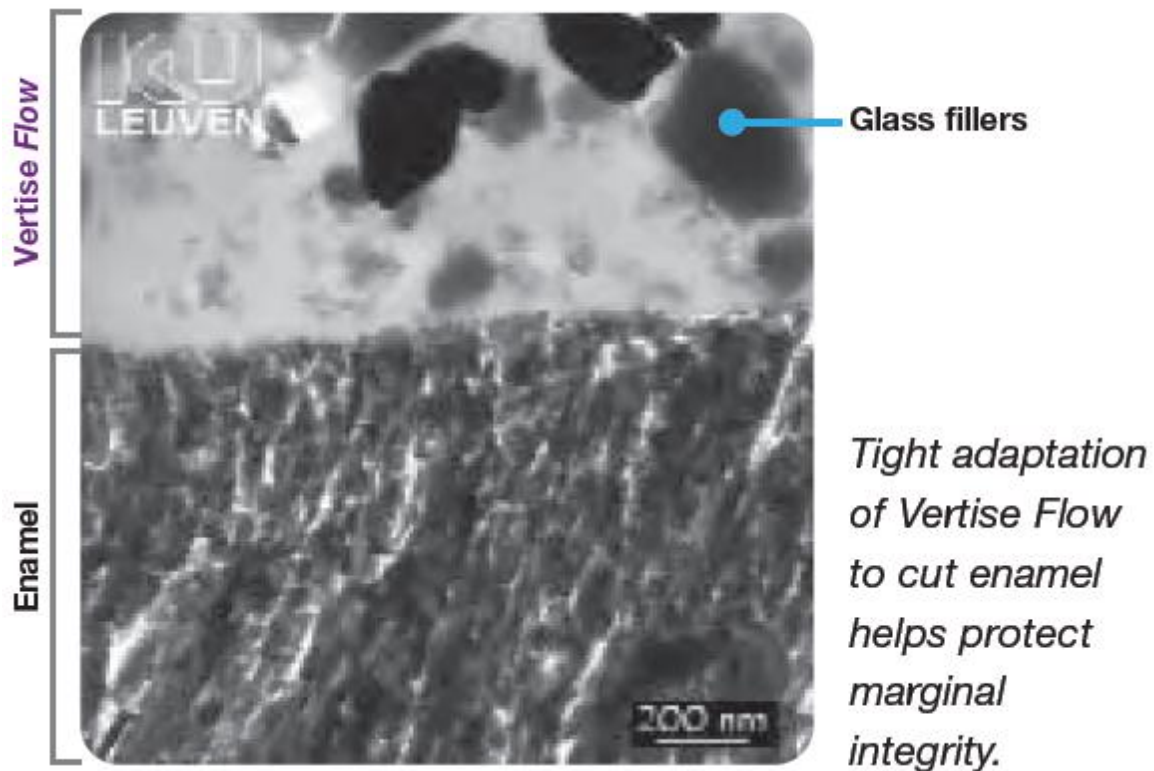
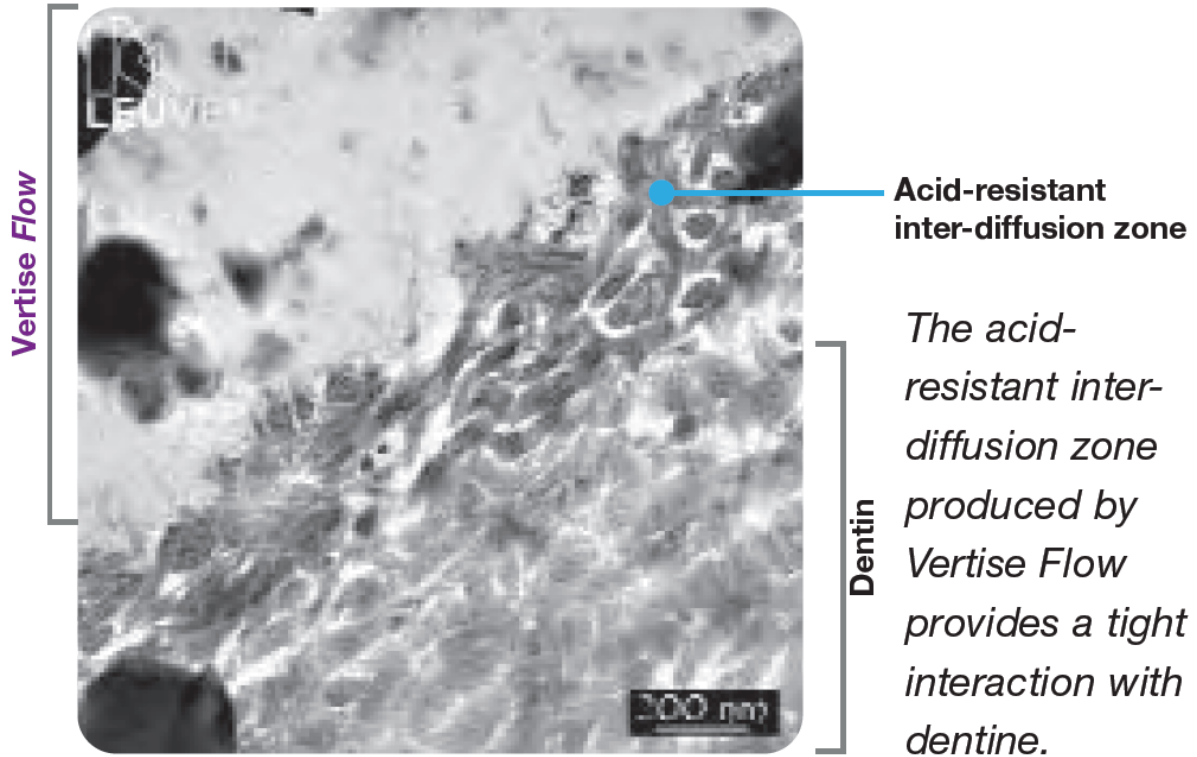


The Science Behind Vertise Flow

Vertise Flow composite incorporates adhesive technology found in our OptiBond products to create proven bonds to the tooth structure. Vertise Flow bonds in two ways: primarily through the **chemical bond** between the phosphate functional groups of a GPDM monomer and calcium ions of the tooth. And, secondarily, through a **micromechanical bond** as a result of an inter-penetrating network formed between the polymerized monomers of Vertise and collagen fibers (as well as the smear layer) of dentin.





TEM (transmission electron microscopy) by Dr. Atsushi Mine & Prof. Bart Van Meerbeek, Leuven BIOMAT Research Cluster, KULeuven, Belgium

More information on Vertise Flow on www.vertiseflow.com/eu