

What is Rheology?

Rheology is a term that comes from the Greek word *rheos* which means to flow. Thus, rheology constitutes a branch of science dealing how all materials liquids, gases and even solid flow. Many people are familiar with the rheological terms of viscosity (the resistance of flow under stress) and thixotropy (the reduction of viscosity under high shear). By the manipulation of formulations and design of materials, scientists are able to actually modify the rheological properties of materials to perform more effectively. Press-*i*-Dent, for example, has been formulated that during the pressing process, the material will easily flow into the cavity thus assuring an outstanding restoration.