



Duratel Cold Weather Applications

An example of Duratel's pultruded composite strength and durability is its performance in extreme cold environmental conditions. Field-testing conducted on our composite material has shown both a modest molecular bonding increase and better flexural properties as temperatures decrease. Simply put, in cold weather, Duratel products become stronger. In addition, impact resistance testing, conducted at - 65° F by an independent third party showed no physical damage to the material.

Our material can withstand intense cold temperatures without breaking, degrading or sacrificing structural integrity. Duratel's innovative design and composite material is specifically engineered for all weather environments.

In general, reinforced composite products represent a wide variety of manufacturing processes that utilize similar glass reinforcements in combination with both thermo-set resin systems. These systems also incorporate other ingredients such as fillers, catalyst, (UV) Ultra-Violet inhibitors, and pigment. All of the different processes focus on a common goal: to produce non-metallic parts that offer many advantages over traditional materials such as wood, concrete, aluminum and the many types of steel.

However, considering the many types and methods of producing a reinforced composite profile, the manufacturing method of pultrusion results in the production of one of the world's strongest and most durable products available today.

Contact us today for specific test results or more information. www.duratelgreen.com