

## Fiberon® Horizon™ Decking with PermaTech™ Innovation

Fiberon® Horizon™ Decking, introduced by Fiberon in the fall of 2008 represents a major breakthrough product introduction for the composite/alternate decking marketplace. Incorporating patent pending PermaTech™ innovation, enabled by a high performance surface material, Horizon decking provides ultimate performance in stain, fade and scratch resistance. During the development of Horizon decking, Fiberon completed a wide array of performance testing to determine the long term performance of the product when subjected to the elements. The results of these tests provide dramatic proof that Fiberon Horizon decking is a highly durable product that can provide superior long term performance for use as an exterior deck board. Fiberon stands behind Horizon decking with a 20 year warranty against checking, splintering, delamination, rotting, and structural damage from fungal decay. Horizon is also backed by an additional 10 Year Stain and Fade Resistant Warranty, an exclusive in the composite decking industry.

### TECHNICAL BULLETIN #1

#### Fiberon® Horizon™ Decking Surface Adherence Submersion Test Data Results

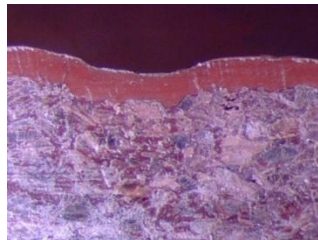
##### TEST DESCRIPTION: 70° F and 150° F Full Submersion Test

The submersion test involves testing the Horizon decking samples fully submerged in water. The temperature of the water is held constant during the period of the test. Tests are conducted at 70° F and 150° F. Samples are held in submersion for 30 days, with weekly checks to determine whether delamination of the product occurs as a result of the submersion test.

##### OBSERVATION:



Photo of Horizon board after 30 day Submersion Test



Magnified photo of Fiberon Horizon decking shows cross-linked adherence to composite core.

Repetitive test have resulted in no delaminating of the Fiberon Horizon decking surface at the edge locations, perimeters or at any point of the product face.



The Horizon decking surface is not compromised.

**CONCLUSION:** Continued submersion of Horizon Decking in for 30 days in 70°F and 150°F water did not result in any reduction of adherence between the Fiberon Horizon decking surface and core materials of Horizon Decking. The Fiberon Horizon decking surface shares molecular bonding with the composite core which did not fail or delaminate when fully submerged in both ambient temperature water and artificially extreme heat environments.