

Horizon Decking Technical Bulletin No. 2

FIB-0058-LIT

Surface Adherence - High Heat & Humidity

Product

Fiberon® Horizon® Decking with PermaTech® Innovation

Test Report

Surface Adherence - High Heat & Humidity Test Data Results

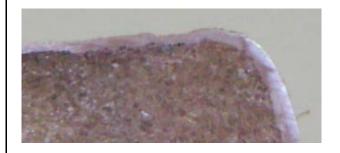
Test Description

Destructive High Heat/High Humidity Test

The test involves suspending samples directly above, but not immersed into, 66 °C water for 30 days. The primary purpose of the test is to determine a product's ability to resist the effects of high humidity and elevated temperatures on a building material. The extreme conditions generated by this test exceed any heat and humidity conditions that this product would be subject to under normal use applications.

Observation

No delaminating occurs between the Fiberon Horizon decking surface and core material. The Fiberon Horizon decking surface remains fully adhered in this extremely aggressive high heat/high humidity test.



Conclusion

The use of co-extrusion to adhere similar materials results in a high level of surface-to-core adhesion. Test illustrates that the Fiberon Horizon decking surface can withstand punishing elevated levels of humidity and 66 °C temperature without measured loss of adherence. This is a destructive test designed to initiate degradation/failure of the composite core. All brands of polymer/cellulosic composite decking experience some level of core degradation in this test.

Additional Product Information

- Ultra low maintenance with superior stain, fade and mould resistance
- Patent pending PermaTech surface outperforms traditional composite decking
- · Reversible boards save on cut and waste
- Board Size: 137 mm x 24 mm
- Grooved decking available in 3.66, 4.88 & 6.10 m. Square edge decking available in 6.10 m.