

1. WATER ABSORPTION TEST

The hygroscopic process is very limited as shown by the following test results: consequently very little water can be absorbed by the wood fibre encapsulated in the polymer.

The products are ideally suited for areas of high humidity or submerged in marine environments as their mechanical properties will not be adversely affected.

Water Absorption

ASTM D 570: 1998 (2005) - 24 hour immersion

Average Water Absorption	
Product Type	
Bollards - Round	1.70%
Bollards - Square	1.70%
Round Posts or Poles	1.70%
Square Profiles	1.70%
Rectangular Profiles	1.70%
Garden & Tree Stakes	1.70%
Planks / Decking	0.30%