



**10 YEAR LIMITED WARRANTY TEST METHODS
FORCEFIELD AIR & WATER BARRIER SYSTEM
EFFECTIVE DATE: June 1, 2018**

EXHIBIT A

The following outlines test methods for the ForceField® Air & Water Barrier System in accordance with the ForceField 10 Year Limited Warranty.

Water Penetration Resistance of ForceField® Panels

This test method provides evaluation of the Water Penetration Resistance of ForceField® Panels.

1. Three test specimens of 6 in. x 6 in., shall be taken from the structure in question.
2. Specimens shall be preconditioned at 23 +/- 2°c and 50 +/- 5% relative humidity until constant weight is attained. Constant weight shall be assumed when consecutive readings taken at least 24 hours apart agree within 0.2%.
3. Specimens shall be tested in accordance with the water ponding test method as outlined in CCMC-07102, Section 6.4.5 with the exception that the inner diameter of the ring shall be 3 in. (76.2 mm). No water seepage shall be observed through the system during the water ponding test.

Water penetration resistance of ForceField® Taped Joints (Horizontal Seam)

This test method provides evaluation of the water penetration resistance of ForceField® taped joints.

1. Three test specimens of 6 in. x 6 in. cut from a horizontal seam with the ForceField® taped joint in center, shall be prepared from the structure in question. Specimens shall be preconditioned at 23 +/- 2°c and 50 +/- 5% relative humidity until constant weight is attained. Constant weight shall be assumed when consecutive readings taken at least 24 hours apart agree within 0.2%.
2. Specimens shall be tested in accordance with the water ponding test method as outlined in CCMC-07102, Section 6.4.5 with the exception that the inner diameter of the ring shall be 3 in. (76.2 mm) and the ring shall be positioned in the center of the taped joint. No water seepage shall be observed through the membrane during the water ponding test

Air Penetration Resistance of ForceField® Panels

This test method provides evaluation of the air penetration resistance of ForceField® panels.

1. Five test specimens, 3 in. x 3 in., shall be prepared for the ForceField® panels from the structure in question. Specimens shall be preconditioned at 23 +/- 2°c and 50 +/- 5% relative humidity until constant weight is attained. Constant weight shall be assumed when consecutive readings taken at least 24 hours apart agree within 0.2%.
2. Specimens shall be tested in accordance with the testing provisions outlined in TAPPI T460 om-06, Air resistance of paper (Gurley method). The thickness of the specimen may need to be reduced in order to fit the specimen in the Gurley densometer appropriately. Air-tight sealing gasket may be used to eliminate the air leakage through the surface. The average Gurley time (seconds/100cc) should be greater than 1,800 seconds.