

RESNET One-Point Airtightness Test Form



Technician: _____ Date: _____

Building Address: _____

Building Address: _____

Section A

Pre-Test Baseline Pressure Readings
(include sign of reading)

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Time Averaging Period (seconds)

<input type="text"/>

Largest Baseline Reading

minus

Smallest Baseline Reading

Baseline Range

Check the appropriate accuracy level below, based on the size of the Baseline Range.

Standard Accuracy Test (Baseline Range less than 5.0 Pa)

Reduced Level of Accuracy Test (Baseline Range between 5.0 and 10.0 Pa)

Invalid Test (Baseline Range greater than 10.0 Pa)

Section B

If Using TEC Software: Nominal Building Pressure (Pa) Nominal Fan Flow (CFM) Fan Configuration

(PR/FL Mode)

If Not Using Software: Induced Building Pressure (Pa) Nominal CFM50 Fan Configuration

(PR/FL@50 Mode)

Section C

Indoor Temp (F): Outdoor Temp (F): Site Elevation (ft)

Blower Door Fan

- Model: _____
- Serial Number: _____

Digital Gauge

- Model: _____
- Serial Number: _____

If Not Using Software:

You may need to make corrections to your **Nominal CFM50** reading:

- If the site altitude is greater than 5,000 feet, use the **Altitude Correction Factor**.
- If the difference between the indoor outdoor temperature is greater than 30 degrees (F), use the **Temperature Correction Factor**.

Corrected CFM50 = Nominal CFM50 × Altitude Correction Factor × Temperature Correction Factor, where

Altitude Correction Factor = 1 + (0.000006 x altitude (ft))

Temperature Correction Factor = value in Table 802.1 below.

Table 802.1 Temperature Correction Factors for Pressurization and Depressurization Testing- Calculated according to ASTM E779-10

Correction Factors for Pressurization Testing

		INSIDE TEMPERATURE (F)								
		50	55	60	65	70	75	80	85	90
OUTSIDE TEMP (F)	-20	1.062	1.072	1.081	1.090	1.099	1.108	1.117	1.127	1.136
	-15	1.056	1.066	1.075	1.084	1.093	1.102	1.111	1.120	1.129
	-10	1.051	1.060	1.069	1.078	1.087	1.096	1.105	1.114	1.123
	-5	1.045	1.054	1.063	1.072	1.081	1.090	1.099	1.108	1.117
	0	1.039	1.048	1.057	1.066	1.075	1.084	1.093	1.102	1.111
	5	1.033	1.042	1.051	1.060	1.069	1.078	1.087	1.096	1.105
	10	1.028	1.037	1.046	1.055	1.064	1.072	1.081	1.090	1.099
	15	1.023	1.031	1.040	1.049	1.058	1.067	1.076	1.084	1.093
	20	1.017	1.026	1.035	1.044	1.052	1.061	1.070	1.079	1.087
	25	1.012	1.021	1.029	1.038	1.047	1.056	1.064	1.073	1.082
	30	1.007	1.015	1.024	1.033	1.041	1.050	1.059	1.067	1.076
	35	1.002	1.010	1.019	1.028	1.036	1.045	1.054	1.062	1.071
	40	0.997	1.005	1.014	1.023	1.031	1.040	1.048	1.057	1.065
	45	0.992	1.000	1.009	1.017	1.026	1.035	1.043	1.051	1.060
	50	0.987	0.995	1.004	1.012	1.021	1.029	1.038	1.046	1.055
	55	0.982	0.990	0.999	1.008	1.016	1.024	1.033	1.041	1.050
	60	0.977	0.986	0.994	1.003	1.011	1.019	1.028	1.036	1.045
	65	0.973	0.981	0.989	0.998	1.006	1.015	1.023	1.031	1.040
	70	0.968	0.976	0.985	0.993	1.001	1.010	1.018	1.026	1.035
75	0.963	0.972	0.980	0.988	0.997	1.005	1.013	1.022	1.030	
80	0.959	0.967	0.976	0.984	0.992	1.000	1.009	1.017	1.025	
85	0.955	0.963	0.971	0.979	0.988	0.996	1.004	1.012	1.020	
90	0.950	0.958	0.967	0.975	0.983	0.991	0.999	1.008	1.016	
95	0.946	0.954	0.962	0.970	0.979	0.987	0.995	1.003	1.011	
100	0.942	0.950	0.958	0.966	0.970	0.982	0.990	0.998	1.007	
105	0.938	0.946	0.954	0.962	0.970	0.978	0.986	0.994	1.002	
110	0.933	0.942	0.950	0.952	0.966	0.974	0.982	0.990	0.998	

Correction Factors for Depressurization Testing

		INSIDE TEMPERATURE (F)								
		50	55	60	65	70	75	80	85	90
OUTSIDE TEMP (F)	-20	0.865	0.861	0.857	0.853	0.849	0.845	0.841	0.837	0.833
	-15	0.874	0.870	0.866	0.862	0.858	0.854	0.850	0.846	0.842
	-10	0.883	0.879	0.874	0.870	0.866	0.862	0.858	0.854	0.850
	-5	0.892	0.887	0.883	0.879	0.875	0.871	0.867	0.863	0.859
	0	0.900	0.896	0.892	0.887	0.883	0.879	0.875	0.871	0.867
	5	0.909	0.905	0.900	0.896	0.892	0.888	0.883	0.879	0.875
	10	0.918	0.913	0.909	0.905	0.900	0.896	0.892	0.888	0.884
	15	0.927	0.922	0.918	0.913	0.909	0.905	0.900	0.896	0.892
	20	0.935	0.931	0.926	0.922	0.917	0.913	0.909	0.905	0.900
	25	0.944	0.939	0.935	0.930	0.926	0.922	0.917	0.913	0.909
	30	0.952	0.948	0.943	0.939	0.934	0.930	0.926	0.921	0.917
	35	0.961	0.956	0.952	0.947	0.943	0.938	0.934	0.930	0.925
	40	0.970	0.965	0.960	0.956	0.951	0.947	0.942	0.938	0.934
	45	0.978	0.974	0.969	0.964	0.960	0.955	0.951	0.946	0.942
	50	0.987	0.982	0.977	0.973	0.968	0.963	0.959	0.955	0.950
	55	0.995	0.990	0.986	0.981	0.976	0.972	0.967	0.963	0.958
	60	1.004	0.999	0.994	0.989	0.985	0.980	0.976	0.971	0.967
	65	1.012	1.008	1.003	0.998	0.993	0.988	0.984	0.979	0.975
	70	1.021	1.016	1.011	1.006	1.001	0.997	0.992	0.988	0.983
75	1.029	1.024	1.019	1.015	1.010	1.005	1.000	0.996	0.991	
80	1.038	1.033	1.028	1.023	1.018	1.013	1.009	1.004	0.999	
85	1.046	1.041	1.036	1.031	1.026	1.022	1.017	1.012	1.008	
90	1.055	1.050	1.045	1.040	1.035	1.030	1.025	1.020	1.016	
95	1.063	1.058	1.053	1.048	1.043	1.038	1.033	1.028	1.024	
100	1.072	1.066	1.061	1.056	1.051	1.046	1.041	1.037	1.032	
105	1.080	1.075	1.070	1.064	1.059	1.054	1.050	1.045	1.040	
110	1.088	1.083	1.078	1.073	1.068	1.063	1.058	1.053	1.048	