

Background

ITA's FR Assured[®] program comprises an advanced flame retardant (FR) treatment technology as the basis for a specialized grade of window coverings, accompanied by a testing and certification program for meeting national and international FR standards.

The program was developed in response to growing public awareness and concern about consumer product safety, as well as increasing state and federal fire safety regulations covering residential and commercial window treatments.

FR Assured Test Methodology

ITA's FR Assured program covers both hard and soft window coverings, and is supported by rigorous testing in accredited, independent laboratories, using officially recognized protocols. The primary testing methodology is the NFPA 701-89 (2004 Edition) standard of the U.S. National Fire Protection Administration. This procedure measures the ability of test samples of a material to prevent the propagation of fire after exposure to a flame for 12 seconds.

To pass the NFPA 701 test and achieve FR Assured certification, all specimens of the sample material must meet the following criteria:

- Fragments or residues of specimens that fall to the floor of the test chamber shall not continue to burn for more than an average of 2 seconds per specimen for the sample of 10 specimens.
- The average weight loss of the 10 specimens in a sample shall be 40% or less.
- No individual specimen's mass loss percent shall deviate more than 3 standard deviations from the mean for the 10 specimens.

Test Results Summary

Sample ID: *Mirasol[®] Premier Performance Shutters*

Specimen	Original Wt. (grams)	Post Wt. (grams)	After Flame (seconds)	Residues (seconds)	Wt. Loss (percent)	Conclusion: The submitted sample meets the requirements of NFPA 701 Test Method 1-2004 Edition, when tested in the original state. <i>Testing performed by SGS US Testing Company Inc., a certified and independent laboratory.</i>
1	576.2	570.5	0.0	0.0	1.0	
2	586.7	581.6	0.0	0.0	0.9	
3	575.3	569.6	0.0	0.0	1.0	
4	599.6	593.1	0.0	0.0	1.1	
5	578.7	572.5	0.0	0.0	1.1	
6	584.0	579.3	0.0	0.0	0.8	
7	586.4	581.2	0.0	0.0	0.9	
8	593.0	586.3	0.0	0.0	1.1	
9	572.4	567.5	0.0	0.0	0.9	
10	585.5	582.0	0.0	0.0	0.6	
AVG				0.0	0.9	
3*STDEV					0.4	
AVG+3*STDEV					1.4	