



## UFC 4-010-01 DoD Minimum Antiterrorism Standards for Building

Solatube International has tested standard configurations of the Solatube 330 DS, 750 DS, and M74 DS Daylighting Systems in accordance with UFC 4-010-01, Unified Facilities Criteria (UFC) DoD Minimum Antiterrorism Standards for Buildings. The Unified Facilities Criteria (UFC) system is prescribed by military standards and provides planning, design, construction, sustainment, restoration, and modernization criteria, and applies to the Military Departments, the Defense Agencies, and the DoD Field facilities. The UFC is used for all DoD projects and work for other customers where appropriate.

Samples were tested to the following test specifications:

- ASTM F1642, Standard Test Method for Glazing and Glazing Systems Subject to Airblast Loading
- ASTM F2912, Standard specification for Glazing and Glazing Systems Subject to Airblast Loading
- GSA-TS01-2003, US General Services Administration Standard Test Method for Glazing and Window Systems Subject to Dynamic Overpressure Loadings
- Unified Facilities Criteria (UFC) 4-010-01, Change October 2013, DoD Minimum Antiterrorism Standards for Buildings

The tests were conducted by an ANSI accredited third party laboratory with the intent of achieving an acceptable rating. The attached test results show that the samples submitted passed the requirements of the above mentioned test specifications and are considered by the UFC to be beyond minimum standards. Below are the achieved ratings from the testing:

### Solatube 330 DS and 750 DS

Level Of Protection – New and Existing Buildings		
UFC Level Of Protection	ASTM Hazard Rating	Potential Door and Glazing Hazards
Medium	No Hazard	Glazing will fracture, remain in the frame and results in a minimal hazard consisting of glass dust and slivers.
High	No Break	Innermost surface of glazing will not break.(No Break hazard rating)

### Solatube M74 DS

Level Of Protection – New and Existing Buildings		
UFC Level Of Protection	ASTM Hazard Rating	Potential Door and Glazing Hazards
High	No Break	Innermost surface of glazing will not break.(No Break hazard rating)

The Solatube 330 DS and 750 DS product was tested on both the Self-Mounted Flashing and the Curb Cap Flashing with the 330 DS Single Dome Acrylic Dome and the 750 DS Dual Dome with Acrylic Inner Dome configurations. The Solatube M74 DS was tested with a single polycarbonate dome configuration. These test ratings cover both open and closed ceiling application for the 330 DS and 750 DS product lines and all open ceiling application for the M74 DS product line.

Product configurations that were tested and are approved for use are as follows:

- M74 DS Single Dome
- 330 DS Single Dome with 8" High Self-Mounted Flashing with Acrylic Dome
- 750 DS Dual Dome with Curb Cap Flashing and Acrylic Inner Dome

The Self-Mount and Curb Cap SolaMaster flashings were tested so that the 330 DS and 750 DS models would have the ability to be interchanged between flashings. This means that the 330 DS Single Dome and the 750 DS Dual Dome configurations, that were tested, can be used on both the self-mounted and curb cap flashings.

These test reports will allow Solatube International to continue to specify into the growing market of military and government projects.

A copy of the test results page and test specifications that has been signed and sealed by a licensed, third party PE (Professional Engineer) can be found on the Technical Resources page of the Solatube Website. [www.solatube.com](http://www.solatube.com)

Solatube International does not share full test reports. Solatube International has worked diligently with our third party testing agencies to provide a Results Page on the cover of each of the test reports. This information briefly describes the test performed and the result (Pass/Fail) of said test. The use of this Results summary page has been extremely helpful in providing information for inquiries.

On occasion a reviewing engineer may need to see the entire report in order to conduct technical calculations on specific data. When the need arises, Solatube International will provide the full report to the architect or AHJ via an NDA (Non-Disclosure Agreement). The report will only be given directly to the requesting party. These reports are not for public distribution.

Please contact your Solatube International representative with any questions.