

QC Metallurgical, Inc.

Testing & Consulting Services

Protect-A-Child Pool Fence Company
Purchase Order No. Verbal
QCM Job No. 12FM-611

June 29, 2012

INSPECTION RESULTS

This report documents testing on 48" and 60" heights of fencing and self closing gates manufactured by Protect-A-Child Pool Fence Company.

The samples inspected included fence sections in 48" and 60" heights with support posts attached to the mesh on 30" and 36" centers and self closing gates of sample heights. The fence and gates submitted were tested per the standards listed below including ASTM F 2286.


- The mesh was tested per ASTM F2286-05.
- Vertical load test per ASTM F2286 Paragraph 5.1. A vertical load test was conducted. A 1/8" steel wire was looped through the mesh 36" above ground. Upward force of 20 pounds was applied. No tearing of the mesh was noted.
- Impact Test per ASTM F 2286-05 Paragraph 5.2. A weight of 52 pounds was swung into the fence 36" above ground level. No deformation or tearing was noted.
- The self closing gates tested were greater than 48" tall and included self closing hinges and a key lockable self latching mechanism. The release mechanism on the gate was above 54" minimum height requirement.
- The mesh properties were certified by PHIFER Incorporated.
- Post was tested - loaded 36" above ground. Load reached 91 lbs. before failing.

CONCLUSION:

The fence and gates submitted for testing meet or exceed the requirements of:

- ASTM F 2286 and ASTM F 1908 for tests performed. No testing on the mesh other than the impact and vertical tests.
- ANSI IAF-8 Model Barrier Code for tests performed.
- BOCA National Building Code Section 421.10.1 for tests performed.
- *ICC - APSP International Swimming Pool and Spa Code (ISPSC) Public Version 1.0 (*see note below) for tests performed.
- 2010 Florida Residential Building Code R4101.17.1.15 which requires a load of 52 lbs., 36" above the deck.

*Meets ICC-APSP ISPSC code when installed in such a manner that it is not removable without the aid of tools.


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