

May 24<sup>th</sup>, 2010

Mr. Carmen Bellavia  
Ability Contractors, Inc.  
1441 SW 12<sup>th</sup> Avenue  
Pompano Beach, Florida 33069

**Re: TAS 106 Load Application for EternaTile**

Dear Mr. Bellavia,

As requested, representatives of A. Tomassi Roof testing, Inc. (ATRT) conducted In-Situ tile uplift testing in accordance with the Florida Building Code, Test Application Standard (TAS) 106, Load Application only.

This test was done to confirm tile attachment resistance on one 3'x4' sample area consisting of a shop fabricated gable roof. Representatives of Ability Contractors, Inc delivered this roof sample to our office laboratory facility. This test was done to supplement uplift resistance performance of a newly patented Eterna Tile as described below.

*Sample Description:* Flat 9" wide X 16" long urethane foam – formed a SPF roof tile with a preformed adhesive pocket located on its' reverse side. The top & bottom surface (except the pocket) of the tile was sprayed with Silicone coating.

*Attachment Method:* Tile was adhered to the underlayment with 6" diameter foam adhesive patty installed into the preformed pocket on the reverse side of the tile.

On the starter row a 2" wide X 8" long adhesive paddy was also placed perpendicular at the nose/bottom end's underside of the tile, along with a Z-style galvanized track that penetrated the face/top end of the tile by 3/8" and fastened to slope roof deck using 1-1/4 RS nails every 8".

## **TAS 106 Load Application for EternaTile**

*Apparatus:* Imada force gauge with a hook shaped to a 90 degree angle capable of sliding underneath the nose of the tile and remaining in place as the loads are applied. The hook is of sufficient strength to resist applied loads of at least 100 lbf.

EternaTile was tested in accordance with the Florida Building Code, Test Application Standard TAS – 106, Section 7, Load application, at several locations.

At the Contractors request, our technician attempted to apply a held load of 65 lbf. and found that the tile continued to exceed the requirements of TAS – 106.

All testing passed and exceeded the attachment resistance requirements of the Florida Building Code, TAS – 106.

Based on our testing, the newly patented Eterna Tile meets the requirements of the Florida Building Code, for design pressure attachment resistance in accordance with TAS 106.

We appreciate the opportunity to be of service. If you have any questions, please call.

Sincerely,

A.Tomassi Roof Testing, Inc.

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President  
Certified Laboratory Contact

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Dominick Scarfo  
AR0010248 (report review)