

## Premier ICF No. 7005

**Subject: Real Time Aging of Premier Ties**

**Date: February 2011**

Construction projects may take weeks or even months to complete. During this time, the components used in the construction are exposed to the elements. To demonstrate that the Premier ICF System is not negatively effected by long term exterior exposure, Premier Building Systems conducted field exposure tests on Premier ICF Ties.

Premier Building Systems subjected Premier ICF Ties to the elements for an extended period of time - five months. During this time, the ties were mounted in both horizontal and vertical positions facing due south. At the conclusion of the exposure, the Premier ICF Ties were tested for color retention, screw holding power, and tensile strength.

After five months of exposure to ambient outdoor conditions, the weathered Premier ICF Ties showed:

- No color change
- Maintained their excellent screw holding capabilities (see Premier ICF Tech. Bulletin #7002)
- Retained their complete tensile strength

In addition to the controlled experiment described, Premier Building Systems also tested Premier ICF Ties on a 1-1/2 year old concrete filled field exposed test wall. Premier Building Systems monitored the appearance and tested the screw holding capacity of the exposed ties. The field exposed wall was located in Denver, Colorado. It was subjected to the harsh ultraviolet light exposure and temperature fluctuations that Denver is known to experience.

After this severe 1-1/2 year exposure to the elements, the weathered Premier Ties showed:

- Excellent color retention.
- Screw holding capacities in excess of recommended values (see Premier ICF Tech Bulletin #7002).
- Retained their complete tensile strength

Premier Building Systems testing demonstrates that projects utilizing the Premier ICF System will maintain the necessary attachment strength characteristics under general construction time exposure.

Premier ICF is manufactured by  
Premier Building Systems

Copyright © 2021 Premier Building Systems  
All rights reserved. Printed in USA.