Siding Products Group
Development Center

CertainTeed Corporation
803 Belden Road
Jackson, MI 49203

June 15, 2005

Product Compliance Memo

Re: Installation of WeatherBoards Fiber Cement Siding on
Structural Insulated Panels (SIP's)

Based on ASTM E72 windload testing of WeatherBoards™ Fiber Cement Siding over Structural Insulated Panels (SIP's)[1] and allowable fastener capacities, the following are recommended fastening methods along with their allowable windload capacities[2] for WeatherBoards Fiber Cement siding:

Lap Siding (up to 9-1/4")

- 1-5/8" long screws with 3/8" dia. head, (ITW Buildex "Hi-Lo Rock-On")
  Blind screwed 12" o.c.
  Allowable wind pressure: 76.2 psf, 140 mph in 'C' Exposures up to 50 ft.

- 6d 2" Roofing nails, Double HD Galvanized with 3/8" dia. head.
  Blind nailed 12" o.c.
  Allowable wind pressure: 42.0 psf, 130 mph in 'B' Exposures up to 30 ft.

- 6d 2" Siding nails, Double HD Galvanized
  Face nailed 12" o.c.
  Allowable wind pressure: 24.0 psf, 100 mph in 'B' Exposures up to 30ft.

Vertical Siding

- 1-5/8" long screws with 3/8" dia. head, (ITW Buildex "Hi-Lo Rock-On")
  12" o.c. each way.
  Allowable wind pressure: 50.8 psf, 120 mph in 'C' Exposures up to 30 ft.

- 6d 2" Siding nails, Double HD Galvanized
  8" o.c. vertical, 12" o.c. horizontal.
  Allowable wind pressure: 24.0 psf, 100 mph in 'B' Exposures up to 30ft.

- 6d 2" Siding nails, Double HD Galvanized
  6" o.c. vertical, 12" o.c. horizontal.
  Allowable wind pressure: 32.0 psf, 110 mph in 'B' Exposures up to 30ft.

Structural Insulated Panels are a manufactured wall system, and as such, application of claddings should be in accordance with the specific SIP manufacturer's instructions. Refer to the WeatherBoards Installation Instructions for basic installation recommendations and always consult the local building code or official for applicable requirements.

Questions regarding the utilization of the above information should be directed to the undersigned at 517-780-3185 or neil.j.sexton@saint-gobain.com.

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Product Compliance Engineer
CertainTeed Corporation

1. 7/16" min. OSB skin with 3-1/2" polyurethane core. SIP system shall assume all loads transferred from the siding.
2. Allowable Wind Load Capacities based on 2003 IBC / IRC, Wall Zone 5, Effective Wind Area 10, Importance factor 1.0
(Supersedes March 3, 2004 Product Compliance Memo)