DISCLAIMER: The manufacturer has reviewed the product information contained in this short form specification. The information is organized and presented to assist the specification writer working on a construction project to select the appropriate products and to save time in writing the project specification Section. The specification writer is responsible for product selection as well as the use and application of this information, and should contact the manufacturer to ensure that all options are available and that the associated specification information is valid and correct.

SPEC NOTE: Insert the required paragraphs into the Section under the noted Articles, and make any required selections. Where selection is indicated with an [OR] statement, select the appropriate paragraph and delete the inappropriate statement. Delete all SPEC NOTEs and [OR] statements prior to final printing.

07 3013

ADHESIVE FOR STEEP SLOPE ROOFING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. TILE BOND™ Adhesive for Steep Slope Roofing.

1.02 REFERENCES

A. ASCE/SEI 7-05: Minimum Design Loads for Buildings and Other Structures.

B. FRSA/Tile Roofing Institute, Concrete and Clay Roof Tile Installation Manual, Fourth Edition.

1.03 PERFORMANCE REQUIREMENTS

SPEC NOTE: select appropriate wind speed and exposure class.

A. Wind Uplift Resistance: [up to 110 mph] [110 mph to 140 mph] to ASCE/SEI 7,

Exposure Class [B][C].

1.04 DELIVERY, STORAGE AND HANDLING

A. Refer to Section [01 00 00][01 60 00].

B. Deliver Products in manufacturer’s original, unopened, undamaged containers with identification labels intact.

C. Store Products in a dry and adequately ventilated area, with an ambient temperature between [40 degrees F] [4 degrees C] and [80 degrees F] [24 degrees C], and not exceeding [120 degrees F] [49 degrees C].

D. Keep containers tightly closed when not in use.

E. Protect containers from damage.

F. Do not store Products in direct sunlight or near heat sources.

1.05 ENVIRONMENTAL REQUIREMENTS

A. Apply Products when ambient air and surface temperature is greater than [50 degrees F]

[10 degrees C] and less than [100 degrees F] [34 degrees C].

B. Do not apply Products during inclement weather, or to surfaces that are wet or have standing water, frost, ice or snow present.

PART 2 PRODUCTS

2.01 ACCESSORIES

A. Roof Tile Adhesive: single-component, spray-applied polyurethane adhesive; dispensed from a portable disposable pre-pressurized container; TILE BOND™ Roof Tile Adhesive by The Dow Chemical Company.

PART 3 EXECUTION

3.01 EXAMINATION

A. Ensure surfaces are free of debris, dirt, dust, grease, oil, diesel fuel and standing water.

3.02 INSTALLATION

A. Apply adhesive pads to roofing underlayment in accordance with manufacturer's

installation guidelines recommended for roof tile profile and roof slope.

B. Comply with FRSA/Tile Roofing Institute, Concrete and Clay Roof Tile Installation

Manual; Adhesive Set Tile Specification, System #4 for specified wind uplift resistance.

C. Install additional adhesive along roof ridge, roof penetrations and drains.

D. Set roof tiles in adhesive within 4 minutes of adhesive application. Allow to cure.

3.03 CLEANING

A. Remove excess Product from adjacent surfaces not intended to receive adhesive.

END OF SECTIONNOTICE: No freedom from any patent owned by Dow or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer’s use and for ensuring that Customer’s workplace and disposal practices are in compliance with applicable laws and other government enactments. The product shown in this literature may not be available for sale and/or available in all geographies where Dow is represented. The claims made may not have been approved for use in all countries or regions. Dow assumes no obligation or liability for the information in this document. References to “Dow” or the “Company” mean the Dow legal entity selling the products to Customer unless otherwise expressly noted. NO EXPRESS WARRANTIES ARE GIVEN EXCEPT FOR ANY APPLICABLE WRITTEN WARRANTIES SPECIFICALLY PROVIDED BY DOW. ALL IMPLIED WARRANTIES INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.

**STYROFOAM™ Brand Spray Polyurethane Foam** contains isocyanate, hydrofluorocarbon blowing agent and polyol. Read the instructions and (Material) Safety Data Sheet ((M)SDS) carefully before use. Wear protective clothing (including long sleeves), gloves, goggles and proper respiratory protection. Supplied air or an approved air-purifying respirator equipped with an organic vapor sorbent and a P100 particulate filter is required to maintain exposure levels below ACGIH, OSHA, WEEL or other applicable limits. Provide adequate ventilation. Contents under pressure. STYROFOAM™ Brand SPF should be installed by a trained SPF applicator.
**CAUTION**: When cured, these products are combustible and will burn if exposed to open flame or sparks from high-energy sources. Do not expose to temperatures above 240ºF (116ºC). For more information, consult (Material) Safety Data Sheet ((M)SDS), call Dow at 1-866-583-BLUE (2583) or contact your local building inspector. In an emergency, call 1-989-636-4400 in the U.S. or 1-519-339-3711 in Canada.

**GREAT STUFF PRO™** Insulating Foam sealant and adhesive products contain isocyanate and a flammable blowing agent. Read all instructions and (Material) Safety Data Sheet ((M)SDS), carefully before use. Eliminate all sources of ignition before use. Cover all skin. Wear long sleeves, gloves, and safety glasses or goggles. Not for use in aviation, or food/beverage contact, or as structural support in marine applications. Provide adequate ventilation or wear proper respiratory protection. Contents under pressure. Not to be used for filling closed cavities or voids such as behind walls and under tub surrounds.
**CAUTION**: When cured, these products are combustible and will burn if exposed to open flame or sparks from high-energy sources. Do not expose to temperatures above 240ºF (116ºC). For more information, consult (Material) Safety Data Sheet ((M)SDS), call Dow at 1-866-583-BLUE (2583) or contact your local building inspector. In an emergency, call 1-989-636-4400 in the U.S. or 1-519-339-3711 in Canada.

**Dow Polyurethane Foam Insulation and Sealant**
**CAUTION**: When cured, these products are combustible and will burn if exposed to open flame or sparks from high-energy sources. Do not expose to temperatures above 240ºF (116ºC). For more information, consult (Material) Safety Data Sheet ((M)SDS), call Dow at 1-866-583-BLUE (2583) or contact your local building inspector. In an emergency, call 1-989-636-4400 in the U.S. or 1-519-339-3711 in Canada.
**CAUTION**: This product is combustible and shall only be used as specified by the local building code with respect to flame spread classification and to the use of a suitable thermal barrier. For more information, consult (Material) Safety Data Sheet ((M)SDS), call Dow at 1-866-583-BLUE (2583) or contact your local building inspector. In an emergency, call 1-989-636-4400 in the U.S. or 1-519-339-3711 in Canada.

**LIQUIDARMORTM**Read the instructions and (Material) Safety Data Sheets ((M)SDS) carefully before use. It is recommended that spray applicators and those working in the spray area wear eye protection. Contact with exposed skin may cause skin discoloration and dryness. Gloves are recommended for prolonged exposures. Ensure adequate ventilation during spray applications.

**THERMAXTM Brand Polyisocyanurate Insulation**CAUTION: This product is combustible and shall only be used as specified by the local building code with respect to flame spread classification and to the use of a suitable thermal barrier. For more information, consult (Material) Safety Data Sheet ((M)SDS), call Dow at 1-866-583-BLUE (2583), or contact your local building inspector. In an emergency, call 1-989-636-4400.

**STYROFOAMTM Extruded Polystyrene Foam Insulation
CAUTION**: This product is combustible. Protect from high heat sources. A protective barrier or thermal barrier may be required as specified in the appropriate building code. For more information, consult (Material) Safety Data Sheet ((M)SDS), call Dow at 1-866-583-BLUE (2583) or contact your local building inspector. In an emergency, call 1-989-636-4400 in the U.S. or 1-519-339-3711 in Canada.

**WARNING**: Rigid foam insulation does not constitute a working walkable surface or qualify as a fall protection product.

Building and/or construction practices unrelated to building materials could greatly affect moisture and the potential for mold formation. No material supplier including Dow can give assurance that mold will not develop in any specific system.

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