



DuPont™ Adhesive/Primer

SECTION 07 200- THERMAL AND MOISTURE PROTECTION

PART 1- GENERAL

1.01 SUMMARY

- A. A high strength spray adhesive to provide permanent bonds for building weatherization systems (house wrap, flashing tapes and membranes) in all weather applications. A temperature resistant adhesive that bonds flashing membranes to concrete, wood, metal and gypsum.
- B. Related Sections:
 - 1. Division 01: Administrative, procedural, and temporary work requirements.
 - 2. Section 07136 - Drainage Waterproofing
 - 3. Section 07260 - Vapor Retarders
 - 4. Section 07270 - Air Barriers.
 - 5. Section 07272 - Weather Resistant and Air Barrier Assemblies.

1.02 REFERENCES

- A. ASTM International (ASTM)
 - 1. ASTM C 679 -Standard Test Method for Tack-Free Time of Elastomeric Sealants
 - 2. ASTM D 3330 - Standard Test Method for Peel Adhesion of pressure sensitive tape
 - 3. ASTM D 3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber
 - 4. ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
- B. American Architectural Manufacturers Association (AAMA)
 - 1. AAMA 711- 07 specification establishes the test methods and minimum performance requirements for self-adhering flashing products that are used around the perimeter of exterior fenestration products
 - 2. AAMA 713 – 08 specification establishes a means to determine the chemical compatibility of liquid applied sealants and self-adhered flashings that may come in contact with each other in the installation of fenestration products.

1.03 SUBMITTALS

- A. Submittals for Review:
 - 1. Submit under provisions of Section 01300.
 - 2. Product Data: Manufacturer's data sheets on each product to be used, including:
 - a. Preparation instructions and recommendations.
 - b. Storage and handling requirements and recommendations.
 - c. Installation methods.

1.04 QUALITY ASSURANCE

- A. Installer Qualifications: Experienced with products specified and installation techniques for project of similar complexity and environmental conditions.
- B. Pre-Construction Mock-Up: Install mock-up prior to installation using acceptable spray adhesive/primer including surface preparation per spray adhesive/primer manufacturer's instructions. Obtain Architect/Engineer/Consultant or Owner's approval of joint treatments to establish adhesion, appearance and workmanship standard.
 - 1. Mock-Up Substrate: _____ vertical surfaces as agreed to prior to Mock-up installation.
 - 2. Maintain mock-up during construction for workmanship standard.
 - 3. Mock-up to be incorporated into final construction upon Architect/Engineer/Consultant/Owner's written approval.

1.05 DELIVERY, STORAGE AND HANDLING

- A. Deliver, store, handle, and protect all products in accordance with Section 01600, Product Requirements.
- B. Comply with manufacturer's ordering instructions and lead-time(s) required to avoid construction delays.
- C. Deliver spray adhesive/primer materials in manufacturer's original, unopened, undamaged containers with identification labels clearly intact.
- D. Store and protect adhesive/primer material containers from harmful weather conditions as recommended by adhesive/primer manufacturer. Protect from damage during construction and while stored onsite. Store spray/adhesive materials at temperatures recommended by spray/adhesive manufacturer.

1.06 PROJECT CONDITIONS

- A. Environmental Requirements: Verify substrates and ambient air temperature at project site before, during and after application to assure compliance with manufacturer's recommendations. Surfaces shall be frost-free, clean and completely dry at time of installation.
 - 1. Weather Conditions: In accordance with manufacturer's instructions, do not apply spray adhesive in snow, rain, fog, or mist, or when such conditions are expected. Allow surfaces to attain dry conditions as recommended by manufacturer before spray adhesive application.
 - 2. Compliance: Follow manufacturer's specific safety, health and environmental recommendations per most recent Material Safety Data Sheets, technical bulletins and instructions. Handle all solvents in compliance with applicable EPA, OSHA, and VOC requirements regarding health/safety standards.

1.07 WARRANTY

- A. Manufacturer's Warranty: Submit manufacturer's standard product warranty at completion.
 - 1. Warranty Areas: _____.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Product Options: Selection of this adhesive/primer material is based upon a proprietary adhesive/primer technology by the Henkel Corporation. Any request for substitution must be submitted a minimum of 10 days prior to Bid for written approval by Architect/Engineer/or Consultant. Request received after this date will not be accepted. Coordinate with Section 01630 Product Substitution Procedures.
- B. Approved Manufacturer: Henkel Corporation 26235 First Avenue Westlake, OH1-866-591-2178

2.02 MATERIALS

- A. General: Synthetic rubber base spray adhesive. DuPont® Adhesive/Primer as manufactured by the Henkel Corporation shall have the following minimum physical properties when cured:
- B. Performance Requirements: DuPont® Adhesive / Primer.
 - 1. Does not contain Toluene
 - 2. Application Temperature : < 0 ° F (-18 ° C) to 120° (50° C)

Note: When used as a adhesive/primer promoter for building weatherization systems, this adhesive has been tested for performance at temperatures as low as 0 °F (-18°C). It was determined that performance is not impacted when exposed for up to 30 minutes at 0° F (-18° C) prior to applying; after 30 minutes of exposure the adhesive/primer must be returned to room temperature. For temperatures between 0° F (-18 °C) and 32° F (0° C), the adhesive/primer can be exposed for longer times, but care must be taken to return to room temperature promptly after use to ensure spray

integrity.

3. VOC Content: 54.8% by weight
4. Surface Burning : ASTM E 84 :
 - a. Flame Spread : 5
 - b. Smoke Development; 0
5. Tested in Accordance with AAMA 711 07 , AAMA 713
6. Shelf Life: Maximum of 12 months

PART 3 - EXECUTION

3.01 MANUFACTURER'S INSTRUCTIONS

- A. Comply with manufacturer's most recently published product data, including installation instructions, substrate field mock-up testing, and surface preparation for joint sealant installation.

3.02 EXAMINATION

- A. Site Verification of Conditions: Examine surfaces indicated to receive adhesive/primer and verify substrate conditions are acceptable for installation in accordance with adhesive/primer manufacturer's instructions. Avoid installation until unsatisfactory conditions have been corrected.
 1. General: All surfaces must be cleaned and totally dry, frost free, and dust free before adhesive/primer application begins for optimum performance. Remove all foreign matter and contaminants including dirt, dust, oil grease, mildew, loose paint, rust or scale.
 2. Surface Defects and Repairs: New substrates or newly repaired surfaces must be allowed to cure to full-capacity per manufacturer's recommendations. Surfaces must be visibly clean and dry before installation of spray adhesive/primer.

3.03 PREPARATION

- A. General: Clean and prepare surfaces immediately before installing adhesive/primer. Protect adjacent work areas and finished surfaces from damage during adhesive/primer installation.
- B. Clean porous surfaces by using heavy duty brushing, light abrasive, mechanical abrading or combination of these methods to produce a clean sound surface for optimum sealant bonding per spray adhesive/primer manufacturer's recommendations. Provide a dry, dust-free and cleaned substrates for optimum results.
- C. Rust or scale must be removed. Prepare substrates using abrasive cleaning methods as recommended by foam manufacturer prior to adhesive/primer installation.
- D. Coordinate cleaning and installation to avoid contamination of wet, freshly coated or adjacent finished surfaces.

3.04 INSTALLATION

- A. Use in a well ventilated area. Always wear safety glasses and wash hands after use.
- B. General: Comply with adhesive/primer manufacturer's installation instructions for applications indicated unless more stringent project specific instructions or requirements apply. Only apply when adhesive/primer, surface and air temperature meet manufacturer requirements.
- C. Match approved foam mock-up for uniform finish, and overall aesthetics. Remove, refinish, or re-install work not in compliance with the Contract Documents.

3.05 CLEANING AND PROTECTION

- A. Clean spray tip with turpentine or mineral spirits. Note: When using solvents for cleanup, use proper precautionary measures.
- B. Remove temporary coverings and masking protection from adjacent work areas upon completion. Remove construction debris from the project site on a planned and regular basis.

END OF SECTION

DISCLAIMER:

This DuPont™ Adhesive/Primer Specification has been written as an aid to the professionally qualified specifier and design professional. The use of this guideline requires the sole professional judgment and expertise of the qualified specifier and design professional to adapt the information to the specific needs for the building owner and the project, to coordinate with their construction document process, and to meet all the applicable building codes, regulations and laws.