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**Informational Guide Specification  
OSI® QUAD® Butyl Flash Flashing Tape**

Specifier Note: The purpose of this guide specification is to assist the specifier in correctly specifying flexible flashing products and execution. The specifier needs to edit the guide specifications to fit the needs of specific projects. Contact a Henkel OSI® Specialist to assist in appropriate product selections.

This guide is for residential, light commercial and commercial flashing applications in conjunction with weather barrier assemblies. These high-performance flashing membranes are designed to help stop the passage of bulk water and airflow movement and are vapor non- permeable. OSI® QUAD® Butyl Flash residential, light commercial and commercial flashing offers protection for the building envelope by providing a water-resistant barrier around penetrations and rough openings.

This flexible flashing is specifically designed for above grade, vertical wall surface openings or penetrations where the wall assembly may consist of any of the following: exterior-grade or glass-faced gypsum sheathing, exterior plywood sheathing, oriented strand board (OSB) sheathing, liquid applied membranes, and masonry wall construction.

**SECTION 07 6500  
FLEXIBLE FLASHING**

**PART 1– GENERAL**

**1.01 SUMMARY**

- A. Provide self-adhering flexible flashing applications for OSI® QUAD® Butyl Flash
- B. Primer

**1.02 REFERENCES**

- A. ASTM International  
ASTM C920; Standard Specification for Elastomeric Joint Sealants  
ASTM C1193; Standard Guide for Use of Joint Sealants  
ASTM D 412 ; Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers-Tension

ASTM D 903; Standard Test Method for Peel or Stripping of Adhesive Bonds  
ASTM D 3330; Standard Test Method for Peel Adhesion of Pressure-Sensitive Tape  
ASTM E96; Test Method for Water Vapor Transmission of Materials  
ASTM E331; Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference  
ASTM E 2112; Standard Practice for Installation of Exterior Windows, Doors and Skylights.

- B. American Architectural Manufacturers Association (AAMA)
  - 1. AAMA 711-07 Voluntary Specifications for Self-Adhering Flashing used for Exterior Wall Fenestration Products
  - 2. AAMA 800-08 Voluntary Specifications and Test Methods for Sealants

### **1.03 SUBMITTALS**

- A. Refer to Section [01 33 00 Submittal Procedures] [insert section number and title].
- B. Product Data: Submit manufacturer current technical literature for each type of product.
- C. Samples: Each type of product specified. [4 inches by 4 inches] [Insert size].
- D. Quality Assurance Submittals

(Specifier Note: DELETE Design Data, Test Report submittal requirements when proprietary specification is used and can be held. MAINTAIN Design Data, Test Report and submittal requirement when other products may be submitted as substitutions.)

- 1. Design Data, Test Reports: Provide manufacturer test reports indicating product compliance with indicated requirements.
- 2. Manufacturer Instructions: Provide manufacturer's written installation instructions.

### **1.04 QUALITY ASSURANCE**

- A. Qualifications
  - 1. Installer shall have documented successful experience with installation of flexible flashing systems under similar conditions.
  - 2. Installation shall be in accordance with manufacturer's installation guidelines and recommendations.

(Specifier Note: Mock-ups are recommended for all projects using OSI® QUAD® Window and Door System. Mock-up requirement will likely be included in the specification section for the wall cladding and/or windows. Include flashing as part of the required mock-up.)

### **1.05 DELIVERY, STORAGE AND HANDLING**

- A. Refer to Section [01 60 00 Product Requirements] [insert section number and title].
- B. Deliver flexible flashing materials and components in manufacturer's original, unopened, undamaged containers with identification labels intact.

- C. Store flexible flashing materials as recommended by manufacturer. Keep away from open flame or sources of ignition.

#### **1.06 PROJECT CONDITIONS**

- A. Refer to Section [01 60 00 Product Requirements] [insert section number and title].
- B. Do not apply flexible flashing on wet or damp surfaces.
- C. Apply to surfaces free of dirt, oils, lubricants and other debris.
- D. Install flexible flashing materials at temperatures above 20°F. At temperatures below 20°F, apply Loctite® 300 primer in accordance with flashing manufacturer recommendations, prior to installation of flashing.

### **PART 2 - PRODUCTS**

(Specifier Note: Product Information is proprietary to OSI® products. If additional products are required for competitive procurement, contact Henkel/OSI for assistance.)

#### **2.01 MANUFACTURER**

- A. Approved Manufacturer: Henkel Corporation 26235 First Avenue Westlake, OH 1-866-591-2178 www.osipro.com

#### **2.02 MATERIALS**

- A. Self-Adhering – OSI® Butyl Flash
  - 1. Basis of Design: Self-adhering flashing membrane tape is based on OSI® Butyl Flash
  - 2. Description:
    - a. Face Material Composition: Foil laminated barrier.
    - b. Face color: Silver
    - c. Adhesive composition: Butyl adhesive
    - d. Thickness: 15 mil
    - e. Release Liner: 1 piece siliconized paper
    - f. Dimension: [4 inches wide by 75 feet or 6 inches wide by 75 feet or 9 inches wide by 75 feet]

(Specifier Note: When specifying brick mold windows contact Henkel/OSI Specialist for additional instructions)

#### **2.03 ACCESSORIES**

- C. Sealants

(Specifier Note: Sealants compatible with weather barrier assembly may be specified in this section or in Division 07 sealants section.)

- 1. Refer to Section [07 92 00 Joint Sealants] [insert section number and title].  
OR
- 2. Provide sealant that complies with ASTM C920, elastomeric polymer sealant to maintain watertight conditions.

(Specifier Note: Sealant products listed below have been tested for compatibility and intermittent contact with the OSI® QUAD® Window and Door System. EDIT for specific project as appropriate when sealants are specified within this section.)

3. Products:
  - a. OSI® QUAD® Max Window, Door and Siding Sealant
  - b. OSI® QUAD® Window and Door Foam

D. Primer:

1. Provide flashing manufacturer recommended primer to assist in adhesion between substrate and flashing

(Specifier Note: Products listed below are only recommendations for inclusion when required and should be EDITED for specific project.)

2. Products:
  - a. Loctite® 300 primer
  - b. DuPont Adhesive/Primer
  - c. Primers recommended by the flashing manufacturer

## **PART 3 - EXECUTION**

### **3.01 EXAMINATION**

- A. Verify substrate and surface conditions are in accordance with flexible flashing manufacturer recommended tolerances prior to installation.
- B. Review requirements for sequencing of installation of flexible flashing assembly with installation of windows, doors, louvers and wall penetrations to provide a weather-tight flashing assembly.

(Specifier Note: Flashing manufacturer recommends weather barrier be installed before the installation of the windows. UTILIZE these opening preparation and flashing articles for flashing for flanged and non-flanged windows when they will be installed after the installation of a weather barrier.)

### **3.02 OPENING PREPARATION (for use with flanged windows installed after weather barrier)**

- A. Cut weather barrier membrane in a modified “O-cut” pattern.
  1. Cut weather barrier flush with rough opening head, jamb and sill opening.
- B. Cut a head flap at 45-degree angle in the weather barrier membrane at window head to expose 6 inches of sheathing. Temporarily secure weather barrier membrane flap away from sheathing with tape.

### **3.03 FLASHING (for use with flanged windows installed after weather barrier)**

(Specifier Note: OSI® recommends the use of the 6-inch wide OSI® Butyl Flash with conventional 2X6 framing.)

- A. Cut [6-inch] wide OSI® Butyl Flash a minimum of 12 inches longer than width of sill rough opening.

- B. Cover horizontal sill by aligning OSI® QUAD® Butyl Flash edge with inside edge of sill. Adhere to rough opening across sill and up jambs a minimum of 6 inches. Secure flashing tightly into corners by working in along the sill before adhering up the jambs.
- C. Compress OSI® QUAD® Butyl Flash at bottom corners onto face of wall. Firmly press in place.
- D. On exterior, apply continuous bead of sealant to wall or backside of window mounting flange across jambs and head. Do not apply sealant across sill.
- E. Install window according to manufacturer's instructions.
- F. Apply 6-inch wide strips of OSI® QUAD® Butyl Flash at jambs overlapping entire mounting flange. Extend jamb flashing 5-inches above top of rough opening and below bottom edge of sill flashing.
- G. Apply 6-inch wide strip of OSI® QUAD® Butyl Flash as head flashing overlapping the mounting flange. Head flashing should extend beyond outside edges of both jamb flashings.
- H. Position weather barrier head flap over head flashing. Adhere using weather barrier tape over the 45-degree seams.
- I. Tape head flap in accordance with manufacturer recommendations
- J. On interior, apply low expansion foam around entire window and rough opening frame to create air and moisture seal.

(Specifier Note: When project conditions dictate that weather barrier will be installed after the windows and doors have been installed, UTILIZE the following Flashing Article

### **3.04 FLASHING (for use with flanged windows installed before weather barrier)**

- A. Attach weather barrier membrane apron under sill. Extend apron a minimum of 10 inches beyond sides of rough opening, and below the rough opening to overlap the sill plate or the weather barrier below. Securely attach sides of apron to wall, leaving bottom free to overlap later weather barrier installation.
- B. Cut [6-inch] wide OSI® QUAD® Butyl Flash a minimum of 12 inches longer than width of sill rough opening.
- C. Cover horizontal sill by aligning OSI® QUAD® Butyl Flash edge with inside edge of sill. Adhere to rough opening across sill and up jambs a minimum of 6 inches. Secure flashing tightly into corners by working in along the sill before adhering up the jambs.
- D. Compress OSI® QUAD® Butyl Flash at bottom corners onto face of wall. Firmly press in place.
- E. On exterior, apply continuous bead of sealant to wall or backside of window mounting flange across jambs and head. Do not apply sealant across sill.
- F. Install window according to manufacturer's instructions.
- G. Complete flashing after installation of window/door
- H. Apply 6-inch wide strips of OSI® QUAD® Butyl Flash at jambs overlapping entire mounting flange. Extend jamb flashing 5-inches above top of rough opening and below bottom edge of sill flashing.

- I. Apply 6-inch wide strip of OSI® QUAD® Butyl Flash as head flashing overlapping the mounting flange. Head flashing should extend beyond outside edges of both jamb flashings.
- J. Apply weather resistive barrier to wall, around window frame and over flashing tape
- K. On interior, apply low expansion foam around entire window and rough opening frame to create air and moisture seal.

### **3.7 FIELD QUALITY CONTROL**

(Specifier Note: Field observation by a manufacturer designated representative is recommended for all projects using the OSI® QUAD® Window and Door System)

- A. Notify manufacturer's designated representative to obtain periodic observations of flexible flashing assembly installation.

### **3.8 PROTECTION**

- A. Protect installed flexible flashing from damage during construction.

## **END OF SECTION**

### **DISCLAIMER:**

This Henkel Corporation Guide Specifications have been written as an aid to the professionally qualified specifier and design professional. The use of this guideline specification 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. HENKEL EXPRESSLY DISCLAIMS ANY WARRANTY, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE OF THIS PRODUCT FOR THE PROJECT.