

3-Part Specification for Rotho Blaas Window Band SECTION 07 25 00

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Self-expanding sealing tape for doors and windows.

1. Designed to seal joints, provide air and water tightness, and maintain thermal and acoustic insulation.

2. Accessories include tools for installation.

1.2 RELATED SECTIONS

A. Section 07 65 00 - Flexible Flashing Tapes.

B. Section 07 92 00 - Joint Sealants.

1.3 REFERENCES

A. Standards Compliance:

1. DIN 18542 - Requirements for sealing materials.

2. EN 12114 - Air permeability performance.

3. EN 1027 - Water resistance.

4. EN ISO 12572- Water vapor transmission.

5. EN ISO 10140 - Acoustic performance.

6. DIN 4102-1 - Fire classification.

7. EN 12667

1.4 SUBMITTALS

A. Product Data:

1. Manufacturer's technical data sheets and installation instructions.

B. Verification Samples:

1. Provide representative samples of the product.

C. Quality Assurance:

1. Submit certifications for compliance with referenced standards.

1.5 QUALITY ASSURANCE

A. Manufacturer Qualifications:

1. Minimum of ten years of documented experience in manufacturing sealing products.

B. Installer Qualifications:

1. Trained by the manufacturer in the proper installation of the product.

C. Mock-Up:

1. Install a mock-up to demonstrate quality and workmanship.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials in original, unopened containers.
- B. Store in a cool, dry location at temperatures between 33.8-68 °F (+1°C and +20°C) for no more than 12 months.
- C. Protect from direct sunlight and contamination.

1.7 WARRANTY

- A. Provide a manufacturer's standard two-year warranty against defects.
- B. LEED Contributions:
Supports LEED credits for reducing air infiltration and enhancing acoustic performance.
The product is classified as EC1Plus through GEV-EMICODE agency.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Rotho Blaas Srl, <http://www.rothoblaas.com>
- B. Substitutions: Not permitted.

2.2 MATERIALS

- A. Self-Expanding Sealing Tape:
 - 1. Elastic polyurethane foam with additives.
 - 2. Airtightness: $\alpha \leq 0.1 \text{ m}^3/(\text{h} \cdot \text{m} \cdot (\text{daPa})^{2/3})$.
 - 3. Water Resistance: $\geq 600 \text{ Pa}$.
 - 4. Thermal Conductivity: $\leq 0.050 \text{ W}/(\text{m} \cdot \text{K})$.
 - 5. Acoustic Insulation: $\geq 59 \text{ dB}$ (10 mm thickness).
 - 6. UV and Weather Resistance: Class MF1.
 - 7. Reaction to Fire: Class B1.

2.3 ACCESSORIES

- A. Installation Tools:
 - 1. Cutters, Kompri Clamp and Winbag as specified by the manufacturer.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify substrate conditions are suitable for installation.
- B. Ensure surfaces are clean, dry, and free of contaminants.
- C. Notify the Architect in writing of unsatisfactory conditions before proceeding.

3.2 PREPARATION

- A. Clean substrates thoroughly prior to installation.

3.3 INSTALLATION

A. Install sealing tape in accordance with the manufacturer's instructions.

B. General Guidelines:

1. Cut to required lengths and peel away release liner.
2. Apply tape firmly to substrate.
3. Make sure to leave some excess material around the corners
4. Do not overlap the tape; instead, create a butt joint connection.

3.4 FIELD QUALITY CONTROL

A. Inspection:

1. Conduct inspections to verify proper installation.
2. Ensure compliance with performance standards.

B. Testing:

1. Perform field tests as necessary to confirm airtightness and water resistance.

3.5 PROTECTION AND CLEANING

A. Protect installed tape from damage during subsequent construction activities.

B. Clean exposed surfaces in accordance with manufacturer's recommendations.