

GUIDE SPECIFICATION



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SECTION 07 40 00

PROTECT FURRING STRIPS

This specification guide is written in Construction Specifications Institute (CSI) 3-Part Format and has been prepared by Quarrix Building Products. The information provided is to assist Specifiers in preparing written construction documents for specifically ProTect Furring Strips for use with wood, fiber-cement, vinyl, stucco and EIFS siding systems that provide both a vertical channel for air and moisture to vent and vapor penetration of the exterior wall. Quarrix ProTect Furring Strips are also used with metal and slate roofing to elevate the starter course into the same plane as the rest of the roof. This allows air and moisture to vent and drain out of the roof. Sections must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building code. Quarrix reserves the right to change or make modifications to the specification guide at any time. Updates can be found on manufacturer's website and distributed in print.

Specifier notes are highlighted in blue text. Delete all Specifier notes after editing the section. Notes can be hidden or shown by clicking on the Show/Hide button in Word taskbar. To print notes, select File in the Word taskbar. Then select Options, click Display, select Print Options and check Print Hidden. These instructions vary depending on Word versioning.

For specification assistance,
contact Quarrix Customer Service toll-free at 800-438-2920 or info@quarrix.com

QUARRIX FURRING STRIPS SPECIFICATION

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Quarrix ProTect Furring Strips for use with siding systems.

1.2 RELATED SECTIONS

- A. Section 06 10 00 - Rough Carpentry.
- B. Section 07 46 16 – Aluminum Siding.

1.3 REFERENCES

- A. ASTM E 108 - Standard Test Methods for Fire Tests of Roof Coverings.
- B. ASTM C 834 - Standard Specification for Latex Sealants.
- C. ASTM C 920 - Standard Specification for Elastomeric Joint Sealants.
- D. ASTM D 648 - Standard Test Method for Deflection Temperature of Plastics Under Flexural Load in the Edgewise Position.
- E. ASTM D 746 - Standard Test Method for Brittleness Temperature of Plastics and Elastomers by Impact.
- F. ASTM D 1929 - Standard Test Method for Determining Ignition Temperature of Plastics.
- G. ASTM D 2843 - Standard Test Method for Density of Smoke from the Burning or Decomposition of Plastics.
- H. ASTM D 635 - Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- C. Verification Samples: For each finish product specified, two full size samples representing actual product, color, and patterns.
- D. Manufacturer's Certificates: Certify products meet or exceed specified requirements.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Maintain dry storage area for products of this section until installation of products

1.6 PROJECT CONDITIONS

- A. Maintain environmental conditions within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.7 WARRANTY

- A. Manufacturer's limited lifetime warranty

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Quarrix Building Products, A Division of Liberty Plastics Inc an LDI Company, which is located at: 705 Pennsylvania Ave. S.; Minneapolis, MN 55426; Toll Free Tel: 800-438-2920; Tel: 763-540-9700; Fax: 763-540-9709; Email to request info (Info@quarrix.com); Web: <http://www.quarrix.com>
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

2.2 PROTECT FURRING STRIP ACCESSORIES FOR SIDING

- A. ProTect Furring Strips: Quarrix ProTect Furring Strips are made of High Density Polyethylene (HDPE) corrugated plastic that promotes airflow and drainage behind cladding, is crush-resistant and resists moisture, mold, mildew. Applicable use for fiber cement, wood, brick, stone, stucco, and EIFS. ProTect furring strips will not warp or split like wood furring strips.
 1. ProTect Furring Strips:
 - a. Net Free Area: 5.6 sq. inches (? cm sq/lineal m) per lineal foot.
 - b. Color: Black
 - c. Dimensions: 1-1/2 inches (38.1 mm) wide by 8-foot 8-inch (2.6 m) long by 3/4 inch (19 mm) high.
 2. ProTect Furring Strips:
 - a. Net Free Area: 5.6 sq. inches (? cm sq/lineal m) per lineal foot.
 - b. Color: Black
 - c. Dimensions: 3 inches (76.2 mm) wide by 8-foot 8-inch (2.6 m) long by 3/4 inch (19 mm) high.
 3. ProTect Furring Strips:
 - a. Net Free Area: 2.6 sq. inches (? cm sq/lineal m) per lineal foot.
 - b. Color: Black
 - c. Dimensions: 1-1/2 inches (38.1 mm) wide by 8-foot 8-inch (2.6 m) long by 5/16 inch (7.9 mm) high.
 4. ProTect Furring Strips:
 - a. Net Free Area: 2.6 sq. inches (402.2 cm sq/lineal m) per lineal foot.
 - b. Color: Black
 - c. Dimensions: 3 inches (76.2 mm) wide by 8-foot 8-inch (2.6 m) long by 5/16 inch (7.9 mm) high.
 - 1) 3/4 inch. (19 mm)
 - 2) 5/16 inch. (7.9 mm)

Properties:

 - 1) Brittleness temperature to minus 103 degrees F (ASTM D 746) and deflection temperature of plus 162 degrees F at 66 PSI (ASTM D 648)

- 2) Burn rate of 2.5 inches/minute (ASTM D 635)
 - 3) Self-ignition temperature of 734 degrees F (ASTM D 1929-91a)
 - 4) Smoke density of 9.3% (ASTM D 2843-93) "excellent".
 - 5) UV resistant.
 - 6) Compressive strength to buckling is 130 psi with 180lb/msf board (ASTM D 642)
- B. Fasteners:
1. 5d ring-shank nails of stainless steel or 16 gauge stainless steel staples of sufficient length to penetrate sheathing.
- C. Adhesives:
1. Quarrix ProTect Furring Strips have been corona treated to help with bonding
 2. Use butyl sealants conforming to ASTM C 1085; latex sealant conforming to ASTM C 834; or silicone sealant complying with ASTM C 920

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until air and vapor membrane are in place as recommended by the siding manufacturer and substrates have been properly prepared.
- B. Verify surfaces are dry, free of ridges, warps, or voids.
- C. If openings and substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 INSTALLATION

- A. General: Install in accordance with manufacturer's printed instructions
- B. Siding Furring Strips: Quarrix ProTect Furring Strips.
1. Strike vertical lines over the wall surface spaced as recommended by the siding manufacturer.
 2. Install a 3/4-inch (19mm) furring strip horizontally just below the soffit at the very top of the house wall.
 3. Install a 3/4-inch (19mm) furring strip horizontally at the bottom of the wood on wall.
 4. Place 3/8-inch (10mm) furring strip every 16-inches on center using fasteners that penetrate plywood 1/2-inch.
 5. Furring strips should be placed approximately 1-inch from the edge of the wall.
 6. Furring Strips should be placed under trim, in corners and around windows and placed to support the width of trim.
 7. Attach wall siding according to manufacturer's instructions and penetrate into framing.

3.5 PROTECTION

- A. Protect installed products until completion of project.
- B. Repair or replace damaged products before Substantial Completion.

END OF SECTION