

Architectural Specifications

1. General

A. Name and Description

Oxford Shingle

The panels are for use on residential and light commercial roofs and mansards.

Exposure Height: 12”

Exposure Width: 60”

Weight /Square: 40 lbs.

B. Manufacturer

Isaiah Industries, Inc.
8510 Industry Park Drive
P.O. Box 701
Piqua, OH 45356 U.S.A.
Tel. 800/543-8938
Fax. 937/773-9261

Email:

info@isaiahindustries.com

Web address:

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C. Scope

The scope of the work includes, but is not limited to, the installation of all pre-formed panels, pre-formed accessories and field-formed accessories such as miscellaneous flashings and attaching devices as well as sealant.

2. Product

A. Material

All pre-formed panels, including pre-formed accessories and flashings and matching coilstock are made of .024” 3105 H27 aluminum alloy sheet stock with a yield strength of 26,400 psi. and a tensile strength on 30,000 psi.

B. Finish

Oxford Shingles are coated with a baked-on protective

primer and a Kynar 500 or Hylar 5000 top coat to provide a high quality finish. Kynar 500 and Hylar 5000 are trade names for polyvinylidene fluoride resin. The backs of the panels are finished with a protective clear coat.

C. Additional Materials

Other materials available from the manufacturer include: matching silicone sealant, aluminum nail clips, touch-up paint, pipe flashings, and aluminum ringshank nails.

3. Installation

A. Pitch

Oxford Shingles are designed for installations on roofs with a 3:12 or greater pitch.

B. Decking

The panels are applied over minimum ½” decking. The system may also be applied over existing composition roofing provided the existing roofing is smooth. Any curled or irregular roofing must be removed or replaced.

C. Underlayment

In the case of either a new roofing application or re-roofing, the entire roof must be covered with at least one layer of 30 lb. felt underlayment or synthetic equivalent.

D. Panels

Oxford Shingles have a four-way interlock that locks each panel to the surrounding panels. The panels are secured to the roof using six nail clips. The nail clips, attached to the

panels’ top locks, allow the panels to expand and contract as necessary.

E. Dissimilar Materials

Aluminum materials should not be installed in contact with dissimilar metals, concrete, stucco, asbestos siding, masonry or other corrosive nonmetallic materials that might be wet continually. To prevent problems with wood, use treatments such as creosote or zinc naphthanate pentachlorophenol (5% concentration).

To prevent chemical reactions from soil contaminants, do not install Oxford Shingle panels fewer than six inches above the soil line. Dissimilar materials should be painted or otherwise protected when they are in contact with aluminum or when drainage from them passes over aluminum. Do not permit water from copper flashing to drain over aluminum products.

NOTE: CSI Specifications available upon request.