

GreenGuard®

Fanfold Underlayment

Guide to installation as a water-resistive barrier (WRB)

General

Kingspan GreenGuard® Fanfold Siding Underlayment can be used as water-resistive barriers in lieu of housewraps and building paper. Kingspan GreenGuard® Fanfold Siding Underlayments is recognized for use as water-resistive barriers in Intertek Code Compliance Research Report: CCRR-1022 when installed in accordance with the following guidelines.

Residing Applications over Existing Siding

When installing Kingspan GreenGuard® Fanfold Siding Underlayment over an existing exterior wall in which the existing cladding will not be removed, the existing wall assembly is already providing weather protection. Since there are no code provisions that require that an additional WRB be installed over an existing wall, Kingspan GreenGuard® Fanfold Siding Underlayment can be installed using steps 1 through 3 as described below.

New Construction Applications or Residing Application After removal of Existing Siding

In new construction applications or residing applications where there is no housewrap or building paper covering the wood sheathing, Kingspan GreenGuard® Fanfold Siding Underlayment can be used in lieu of the code-required WRB when they are installed as described below.

Warning: Foam plastic insulation will ignite if exposed to fire of sufficient heat and intensity. Protect foam insulation from exposure to open flame or other ignition sources during shipment, storage, and installation.

Storage and Handling: When stored outdoors, all materials should be protected from exposure to direct sunlight using an opaque light-colored tarp or the original packaging. Material that has been unwrapped should be carefully rewrapped.

For more information on specific building product recommendations and installation guidelines, contact your Kingspan Insulation LLC representative.

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Step 1

Begin by unfolding several feet of the Kingspan GreenGuard® Fanfold Underlayment bundle and aligning the product with the bottom edge of the wood sheathing at the bottom of the wall.

Step 2

Attach Kingspan GreenGuard® Fanfold Underlayment using common roofing nails spaced 2 feet on center around the perimeter of the wall and along vertical framing members. Nails should penetrate the framing member a minimum of 3/4 inch. Care must be taken not to overdrive nails, since this may result in moisture leakage in areas where the damage extends completely through the product. Damaged areas should be repaired using Kingspan GreenGuard® Seam Tape.

Step 3

Trim Kingspan GreenGuard® Fanfold Underlayment at all window and door openings and at wall penetrations so that gaps are minimized. At pipe and other small penetrations, gaps should be sealed using a silicone sealant or an expanding spray foam sealant.

Step 4

All vertical and horizontal seams must be sealed using Kingspan GreenGuard® Seam Tape or Kingspan GreenGuard® Flashing (minimum 2 inch wide strips). As an alternative, a 'Z-furring' horizontal seam treatment may be constructed using 16 inch wide strips of Kingspan GreenGuard® Housewrap sealed to the Kingspan GreenGuard® Fanfold Underlayment as shown.

Step 5

Install Kingspan GreenGuard® Flashing or self-adhering Kingspan GreenGuard® SuperStretch™ Flashing at window openings by first installing the sill flashing followed by installation of the window in accordance with the window manufacturer's installation instructions. Then install the jamb flashing so that it overlaps the sill flashing and then install the head flashing so that it overlaps the jamb flashing. For additional window flashing options, refer to the 'Kingspan GreenGuard® Residential Installation Guide'.



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For the most current installation guidelines and compliance information go to www.kingspaninsulation.us.

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kingspan-green-guard-fan-fold-installation-guide-as-wrb-en-us-ca-v2.1

Version 2.1 - 11/2022

