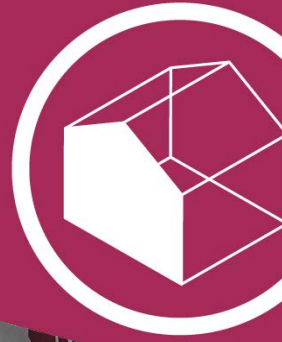


EARLY CLOSE
APPLICATION

INSTALLATION
GUIDE

Thermakraft™
COVERTEK
407



Thermakraft™ COVERTEK 407

Early Close Application Wall Underlay Installation Guide

Product Usage

This installation guide is for using Kingspan Thermakraft Covertek 407 as a wall underlay to provide temporary weather protection in early close applications. This allows work to continue on the inside of the building without waiting for the external wall cladding to be completed. This installation guide must be strictly followed to allow work to continue on the interior of the building. When using Covertek 407 without the need for interior work on the building, then refer to the standard Covertek 407 installation guide. Covertek 407 can only be used in lined buildings and must be installed by or under the guidance of a licensed building practitioner. The roof cladding, soffit linings, windows and doors must have been installed for early close application and there is a maximum weather exposure period of 120 days for the Covertek 407.



CodeMark
CMNZ30028



Covertex 407 Early Close Application Wall Underlay Installation Guide



General Information

- This application is for buildings that are within the scope of NZBC E2/AS1 and E2/AS4
- Is suitable for use in Wind Zones of NZS 3604:2011 up to and including 'Very High' when used as a standalone flexible underlay, and 'Extra High' when used as a flexible underlay over a rigid wall underlay.
- Can only be used in lined applications. Section E2 of the New Zealand Building Code defines lining as "the rigid sheet covering for a wall, ceiling or other interior surface"

Limitations

- Early close application only applies to using Covertex 407 as a wall underlay.
- Using Covertex 407 in early close applications is not suitable for direct fixed claddings as the capped fixings may impact the aesthetic finish of the cladding.
- For studs with a maximum spacing of 600mm.
- The roof cladding, soffit linings, windows and doors must have been installed prior to interior works commencing.
- Covertex 407 wall underlay should not be exposed for longer than 120 days.
- For use with insulation between studs only.
- Must NOT be used in any unlined applications, including but not limited to sheds, warehouses, garages, canopies, soffits and lean-to designs. Warranty void when used in unlined applications.

Required Components

- Kingspan Thermakraft Covertex 407
- Stinger Cap Nail Gun CN100 and 25mm Cap Nails or Delfast Roll Cap Nail Gun with 25mm Cap Nails
- Capped screws and drill for steel frames if applicable
- Or minimum 25mm Stinger Hand Driver Cap Nails (if nail gun is not used)
- Thermaflash Flashing Tape
- Thermakraft Premium Joining Tape
- Orange Corner Moulds (optional)
- Thermakraft Stud Strap
- OneSeal Multi-Fit Cable and Pipe Penetration Seals or similar EPDM fabric seal
- Supercourse 500 Damp Proof Course

To Install

- Ensure all framing is free of splinters and sharp protrusions.
- Fix Covertex 407 underlay with printed side facing the exterior and install horizontally.
- Covertex 407 must overhang the bottom plate by minimum 50mm.

Horizontal Cladding

- Pull the Covertex 407 taut and secure using capped nails, avoiding the stud-line. These form the initial fasteners.
- Fix the Covertex 407 securely by using capped nails at maximum 300mm centres and vertical battens as per the wall cladding manufacturer's recommendation, additional fasteners should be used around each opening to be cut.

Vertical Cladding

- Pull the Covertex 407 taut and secure using capped nails, avoiding the top and bottom plates and nog lines. These form the initial fasteners.
- Fix the Covertex 407 securely by using capped nails at maximum 300mm centres and horizontal battens as per the wall cladding manufacturer's recommendation, additional fasteners should be used around each opening to be cut.

- Battens should not be on top of cap nails and should sit flush on the Covertex 407. Ensure battens are at least 100mm away from the capped fasteners.
- When fixing Covertex 407 underlay to steel framing the same procedure applies but use capped screws to fasten to the framing.
- A minimum of 150mm overlap is required at all joins. Horizontal laps to be laid ship lap style allowing water to be shed to the outer face of the underlay. All laps must be taped with either minimum 75mm wide Thermakraft Premium Joining Tape or Thermaflash. Tape must be evenly applied to a clean and dry surface with sufficient pressure to ensure good adhesion – a plastic scraper can be used for this application.
- If stud height is higher than the roll width, lap another layer of Covertex 407 with a minimum 150mm overlap, to create a ship lap style to allow water to be shed to the outer face of the underlay.

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Joining to Concrete or Masonry Junction

- Where Covertex 407 joins to a different wall type e.g. a concrete or masonry wall or mid-floor junction, a 30mm overlap is required on the masonry wall.
- Use 75mm wide Thermakraft Premium Joining Tape or Thermaflash to seal the join on the masonry wall. Tape must be evenly applied to a clean and dry surface with sufficient pressure to ensure good adhesion – a plastic scraper can be used for this application.
Note: for difficult to bond surfaces, the Scotch Super 77 Spray Adhesive can be used to improve adhesion.
- To seal the join to mid-floor junctions, use a compatible adhesive. Ensure compatibility has been checked before use. Apply a continuous bead of adhesive along the join.
- The Covertex 407 should also be sealed to the slab edge using a compatible adhesive.

Windows and Doors

- Cover all windows and door openings with Covertex 407 underlay. The Covertex 407 underlay should only be cut and prepared for window or door installation upon arrival of the windows or door.
- When windows and doors are ready for installation, the Covertex 407 underlay covering the openings should be cut at 45° and folded into the opening and securely fastened. Note: Staples can be used to fasten the flaps cut for the windows and doors and this is the only time staples can be used.
- Use Thermaflash Window Flashing Tape and follow the Thermaflash Installation Guide for correct usage. Thermaflash is recommended to be installed above the head flashing, extending past both sides of the flashing by 150mm.
- Apply compatible air seal products such as window sealants or expandable foam around windows and doors.
- Install Supercourse 500 Damp Proof Course as required for secondary waterproofing for brick veneer.

- If Covertex 407 is used under the soffit, ensure it is taped back to the wall to prevent water ingress and that there is 150mm overlap with the Covertex 407 underneath.
- In accordance with NZBC Acceptable Solution E2/AS1 and E2/AS4, wall underlay must be prevented from bulging into the drained cavity. Where stud spacing is greater than 450mm, Thermakraft Stud Strap run horizontal at 300mm centres is an acceptable means of prevention. Use capped nails or capped screws to fix onto framing.
- If brick cladding is used then use a minimum 75 x 75mm piece of Thermaflash or Thermakraft Premium Joining Tape over the brick tie to provide weather protection.
- Once installed, Covertex 407 must not be left exposed to the weather or UV for more than 120 days for early close applications.
- Repair tears with Thermaflash or Thermakraft Premium Joining Tape. Any large areas which require repair may be covered with a second layer of Covertex 407 underlay - a lap of 150mm is required.

Penetrations

- Use the OneSeal Multi-Fit Cable and Pipe Penetration Seal. For any other EPDM fabric seal, compatibility testing is advised.
- To check the compatibility, adhere the chosen penetration seal onto the Covertex 407 to ensure a good seal is formed. The seal should not come off when pulled and should not react with the Covertex 407.
- Ensure the seal is adhered to a clean and dry surface and that sufficient pressure is applied to ensure good adhesion i.e. -a plastic scraper can be used for this application. The seal should be applied in a diamond shape for water run-off.

Flashings

- For apron flashings, head flashings or inter-story flashings. The additional Covertex 407 should extend beyond the flashing by 150mm at each end. Secure with capped nails or capped screws and tape all laps with Thermaflash.

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Post-Installation Daily Quality Checks

- Check building site daily and ensure that all joins remain taped. Any tears or damage must be taped and repaired immediately. Any large areas which require repair may be covered with a second layer of underlay - a lap of 150mm is required.
- Ensure full adhesion of all penetrations and tapes.
- If any lifting of penetrations or tapes are observed then repair or replace as necessary.

Warranty

Standard 15 year Kingspan Product Warranty applies. Installation workmanship is the responsibility of the tradespeople and is not covered by the Kingspan Product Warranty. To ensure appropriate performance of the Kingspan Coverttek 407 in early close applications, the installation guide and post-installation daily quality checks must be strictly followed. Incorrect installation or failure to follow instructions may impact performance and void the warranty.

Refer to the Kingspan Product Warranty Statement for further details.

Handling and Storage

- Coverttek 407 must be handled with care to prevent damage such as tearing and roll deformation.
- The product must be stored under cover well away from direct moisture, rainfall contact and sunlight (UV). Care should be taken to not stack other materials on top of the product.



Product Warranty

Standard Kingspan Insulation Warranty applies. Refer to Kingspan Insulation Warranty statement for further details. This is available online at kingspaninsulation.co.nz; or call us on 0800 806 595; or email info@kingspaninsulation.co.nz

Kingspan Insulation NZ Limited (NZBN 9429045930393), reserves the right to amend product specifications without prior notice. The information contained in Kingspan's literature is given in good faith and based on good building practice but are not an exhaustive statement of all relevant information and are subject to any conditions contained in the Warranty. Recommendations for use should be verified as to the suitability and compliance with actual requirements, specifications and any applicable laws and regulations. All product dimensions and performance claims are subject to any variation caused by normal manufacturing process and tolerances.

Furthermore, as the successful performance of the relevant system depends on numerous factors outside the control of Kingspan (for example quality of workmanship and design), Kingspan shall not be liable for the recommendations in that literature and the performance of the Product. For other applications or conditions of use, Kingspan Insulation offers a Technical Advisory Service, the advice of which should be sought for uses of Kingspan Insulation products that are not specifically described herein. Please check that your copy of the literature is current by contacting us or visiting www.kingspaninsulation.co.nz E&OE



Covertex 407 Early Close Application Certificate of Installation



Please fill out all fields below and email a copy to info@kingspaninsulation.co.nz

CERTIFICATE OF INSTALLATION

Save Time - Complete Online.

Scan the QR Code to complete this form online now.



Manufacturer's details:	Kingspan Insulation NZ Limited		
Installer's company name:			
Date(s) of installation:		Quantity of material installed:	
Property/address where installation took place:		Batch number(s) of product installed: (Printed on roll edge)	
Location/zone where product(s) was installed:			
Comments on installation:			
Applicable installation instructions:	Followed all of install guide: YES / NO If "NO", see below.		
Name of engineer/architect responsible for deviation:			
We declare and confirm that the installation was completed as per the manufacturer's instructions.			
Installer signature:	Name:	Installer registration or approval number:	Date signed:
Installer supervisor signature:	Supervisor Name:	Supervisor registration or approval number:	Date signed:

A COPY OF THIS CERTIFICATE SHOULD BE PROVIDED TO THE BUILDER OR OWNER. COPY KEPT AS RECORD BY THE INSTALLATION COMPANY.



Product Warranty

Standard Kingspan Insulation Warranty applies. Refer to Kingspan Insulation Warranty statement for further details. This is available online at kingspaninsulation.co.nz; or call us on 0800 806 595; or email info@kingspaninsulation.co.nz

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Covertex 407 Early Close Application

Early Close Application Checklist



Date:

Consent Number:

Designer:

Address:

Name of LBP / Builder:

Buildings that are within the scope of NZBC E2/AS1 and E2/AS4	Yes /No
Wind zone is up to 'Very High', if Covertex 407 is being used as a standalone flexible underlay. For 'Extra High' wind zones, use Covertex 407 with a rigid wall underlay	Yes /No
Covertex 407 has been installed horizontally and extends at minimum 50mm below the bottom plate	Yes /No
Capped nails or capped screws have been used at the correct spacing and no staples have been used external to the frame	Yes /No
Battens (if applicable) have been installed flush and are not impeded by any capped nails or capped screws	Yes /No
All windows and doors have been installed using Thermaflash Window Flashing Tape and installed according to Thermaflash Installation Guide. Ensure compatible air seal products have been applied to all windows and doors	Yes /No
Covertex 407 has been ship-lapped with a minimum 150mm overlap and all laps are taped with minimum 75mm wide Thermaflash or Thermakraft Premium Joining Tape	Yes /No
All Thermakraft Tapes and OneSeal Multi-Fit Cable and Pipe Penetration Seals or similar EPDM fabric seals have been applied onto a clean and dry surface with sufficient pressure using a plastic scraper to ensure good adhesion and Kingspan Thermakraft installation guides have been followed	Yes /No
All tears have been repaired as per installation instructions	Yes /No
Where bulk fibre insulation has been used, Thermakraft Stud Straps have been installed to prevent bulging of insulation for stud spacing above 450mm	Yes /No
Covertex 407 has not been exposed for more than 120 days.	Yes /No

To achieve Covertex 407 Early Close Application performance and warranty, this checklist should be completed affirmatively. A copy of this document should be provided to the builder/or home owner.

Name of LBP / Builder:

LBP Number:

Signature of LBP / Builder:

Date: