



FPS WEATHERTIGHT EARLY CLOSE IN SYSTEM

- Quality products designed for NZ climate.
- Fully tested for compatibility and performance.
- Excellent customer service and support.



OUR HISTORY

Company Formation

FPS formed in 2014

1

Our Factory

Fakro are the manufacturers of all of our membranes - they employ over 3300 staff

2

Testing Phase

Tested the system for 2 years before entering the market in 2016

3

Sourcing Materials

Materials sourced from Poland, and other parts of Europe

4

Soft Launch

Kept the system close around Hamilton for 2 years

5



WHAT MAKES FPS WEATHERTIGHT DIFFERENT?

1 Roof & Wall Underlay

Can be used on roofs & walls completely unsupported or with a ridged backing

2 Superior Performance

Exceeds NZ building code requirements

3 Codemark Certified

Fully integrated components to achieve weathertightness

4 Suitable for Passive House

Includes roof, wall and internal underlays, and components

5 Supportive Reps

Hands on reps to ensure all FPS installs are fitted correctly



OUR MAIN ADVANTAGES



100% Waterproof

Up to 275 times greater than the NZ building code states



Vapor Open (breathable)

Up to 350 times greater than the NZ building code states



Superior Wind Uplift

Suitable for all wind zones including extra high & SED
without solid backing



UV Resistant

90 days roof & wall exposure

STANDARD UNDERLAYS VS FPS WEATHERTIGHT

Traditional Underlays

- Cladding must be installed to continue internally
- Bare staple fixings
- Water Resistant & Absorbent
- Limited wind resistance
- Shorter UV exposure
- Full sill taping
- Insulation restraint needed

FPS Weathertight

- Can continue internally before the cladding is finished
- Cap and staple fixings
- Waterproof & Non -Absorbent
- Suitable for EH & SED Wind Zones without solid backing
- 90 days UV exposure
- Minimal sill taping
- No Insulation Restraint needed

WHAT MAKES UP THE FPS SYSTEM?



N35



EUROTOP N35 MEMBRANE

Fakro Eurotop N35 is a three-layer membrane, which has been CodeMarked as part of the FPS® Weathertight® system. It has a very high vapour permeability, and it is also extremely waterproof.

Technical Parameters		Eurotop N35
Base Weight		135 g/m²
Permeability	SD Value	0.007m
	Vapour Resistance	0.035 MNs/g
Water Resistance	Head of Water	5500 mm
	Class	W1
Strength or Resistance to Tearing	Lengthwise	280 N/50mm
	Crosswise	190 N/50mm
Sun Exposure		90 Days
Fire Retardancy (1530)		Less than 3
Application Temperature Range		-40°C to +120°C

Fakro Eurotop N35 wall and roof underlay has an AS1530 – part 2 flammability index of not greater than 5 and therefore meets the requirements of NZBC Acceptable Solutions C/AS2 to C/AS6, Paragraph 4.17.8 b) for suspended flexible fabric used as an underlay to exterior cladding that is exposed to view in occupied spaces.

It may therefore be used with no restrictions in all buildings.



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Applications

Roof & Wall Underlay



Roll Size

1.5m x 50m = 75sqm



Colour

Teal



W35



EUROTOP W35 MEMBRANE

Fakro Eurotop W35 is a three-layer membrane, which has been CodeMarked as part of the FPS® Weathertight® system. It has a very high vapour permeability, and it is also extremely waterproof.

Technical Parameters	Eurotop W35	
Base Weight	140 g/m²	
Permeability	Vapour Permeability	2300 g/m
	SD Value	0.02m
	Vapour Resistance	0.1 MNs/g
Water Resistance	Head of Water	2250 mm
	Class	W1
Strength or Resistance to Tearing	Lengthwise	290 N/50mm
	Crosswise	200 N/50mm
Sun Exposure	90 Days	
Fire Retardancy (1530)	Less than 3	
Application Temperature Range	-40°C to +80°C	

Fakro Eurotop W35 wall and roof underlay has an AS1530 – part 2 flammability index of not greater than 5 and therefore meets the requirements of NZBC Acceptable Solutions C/AS2 to C/AS6, Paragraph 4.17.8 b) for suspended flexible fabric used as an underlay to exterior cladding that is exposed to view in occupied spaces.

It may therefore be used with no restrictions in all buildings.



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Applications

Wall Underlay

Roll Size

2.75m x 50m = 137.5sqm

Colour

Grey



EUROBAND D/S BLACK TAPE

- Below Bottom Plate
Seals the foundation to the underlay
- Moisture Protection
Prevents water & airborne moisture
- Installation
Easy application with great results





EUROBAND D/S BROWN TAPE

Purpose

Creates a watertight seal at horizontal joins

Application

Applied to the underside of the overlapping layer

Benefits

Ensures a weathertight & airtight system

EUROBAND S GREEN TAPE



Vertical Joins

Seals vertical underlay overlaps



Rips, Tears & Bare Staples

Repair areas where water can enter the build



Conduit Seals

Used to seal the edges of our conduit seals (shown further down)





CORNER SILL TAPING

CAP & STAPLE FIXINGS



CAP & NAIL FIXINGS IS STRICTLY **PROHIBITED**



WIND ZONE CHART

WIND ZONE

LOW

MEDIUM

HIGH

VERY HIGH

EXTRA HIGH

SED

9.5mm SPACINGS

300mm

250mm

200mm

150mm

100mm

-

22mm SPACINGS

300mm

300mm

250mm

250mm

250mm

150mm



MIDLAND (6435263)

www.midlandbrick.co.nz

PS. KEEP THIS PRODUCT DRY AND CLEAN BEFORE, DURING
AND AFTER LAYING.

BRICKWORK AS YOU GO TO AVOID ACID WASHING.

When using this product, please refer to the technical data sheet for the correct application.

As a national manufacturer of high quality products, we are committed to providing the best service to our customers.

For more information, please contact us on 0800 800 800 or visit our website at www.midlandbrick.co.nz

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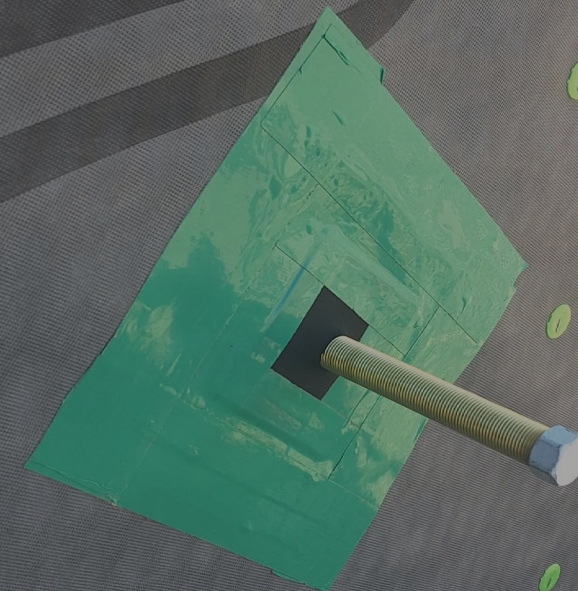
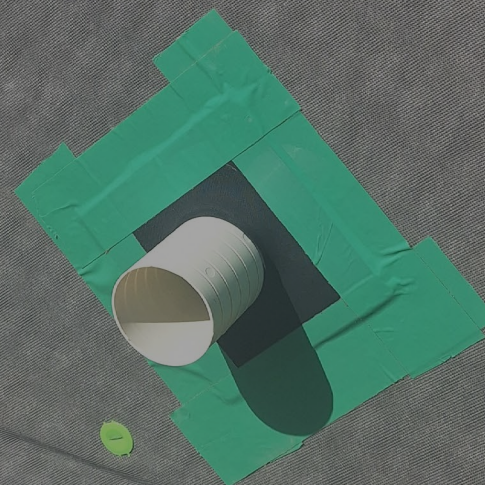
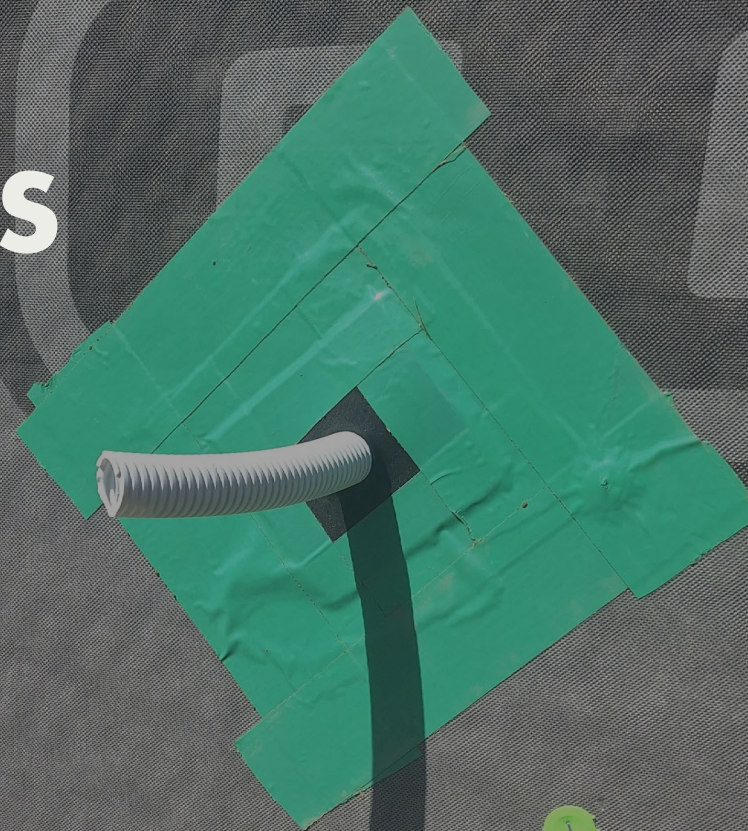
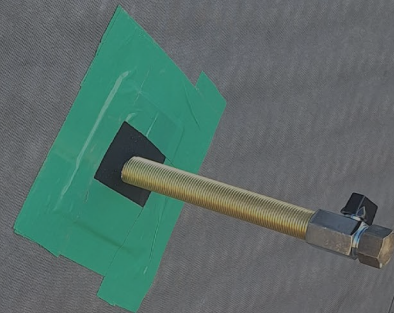
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FPS CONDUIT SEALS



WHAT DO WE OFFER?

Take-offs

Send us the plans, we'll tell you what you need

Install Demos

Tell us the day of your first install and we'll come by and run you through our system

Site Checks

After your install demo but before your pre-line inspection, we can come by and make sure everything is looking good

Warranty

When installed as it should, complete our warranty checklist for a 50 year in-wall completely transferable warranty



WHAT TO LOOK OUT FOR?



BARE STAPLES



Pressure Differential

Wind creates pressure difference from inside to out



Moisture Ingress

Rain gets sucked through uncontrolled penetrations



Proper Protection

Cap and staple prevents water entry



SITE INSPECTION

1 Leaking Issues

Water was coming in through the underlay

3 Solution

FPS suggested using tape to cover bare staples

2 Problem Identified

Cap & Staples weren't used

4 Problem Solved!

More weather came through the following weekend and building remained dry



**USE OF FOREIGN TAPES AND
SEALS IS **PROHIBITED****



DIRECTLY FIXED CLADDINGS IS **PROHIBITED**



Moisture Ingress

Creates an uncontrolled penetration for water entry into the build



Heat Transfer

Heat transfer into the underlay reduces lifespan



No Airflow

Reduced airflow prevents the underlay from breathing




Typically, Coloursteel / corrugated iron is directly fixed


ROOF METHODOLOGY

Solid timber batten over truss
OR
VB20 horizontal batten over purlin

INSTALLATION LITERATURE

Technical Manual 2024 - Version 1.3

 **FPS® WEATHERTIGHT® BUILDING UNDERLAY SYSTEM**
TECHNICAL MANUAL
By Frame Protection System Limited

 CMNZ70030


Complete the interior of the build before the exterior is cladded


ONE COMPREHENSIVE SYSTEM FOR ROOFS AND WALLS

• info@frameprotection.co.nz • www.frameprotection.co.nz • 07 849 0030

1

Installation Guide 2024 - Version 1.3

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 **FRAME PROTECTION SYSTEM**
Install Notes
CM70030

This notice must be read in conjunction with the FPS Installation Guide Ver 1 June 2024 and FPS Technical Manual. By adhering to these requirements, the 'systems' performance and warranty will be satisfied.

WALL INSTALLATION

Euroband S 60mm Green Tape
Vertical Joins, Penetration Seals, & Patching Tape

- » All vertical joins need to be taped with a minimum 60mm overlap.
- » Holes, tears, and exposed staples need to be repaired when practicable.
- » Avoid vertical joins closer than 40mm from corners and openings.
- » Use the provided green spatulas to ensure adhesion.
- » Can be installed in very extreme conditions (-40°C to +100°C).
- » Split backing for easy install.
- » For more information, please refer to FPS Installation Guide.

Euroband D/S Black Butyl Tape
Foundation Tape

- » Ensure foundation substrate is clean, dry, and free from anything that may damage the membrane (staples, nails, protrusions).
- » Apply EDSB directly below the bottom plate and allow membrane to overhang 35mm below the bottom plate.
- » Don't remove the backing on the tape right away. Allow for dust and debris to clear away before internal linings proceed.
- » For more information, please refer to FPS Installation Guide.

Euroband S 120/180mm Green Tape
Corner Tape For Window & Door Openings

- » Use ES120 for 90mm timber/ steel framing.
- » Use ES180 for 140mm framing / SIP panels.
- » Ensure a triangular fillet of tape is fitted to all external corners of all openings before a 400mm length of sill tape is installed.
- » Only cut openings when joinery is ready to install.
- » Use the provided green spatulas to ensure adhesion.
- » For more information, please refer to FPS Installation Guide.

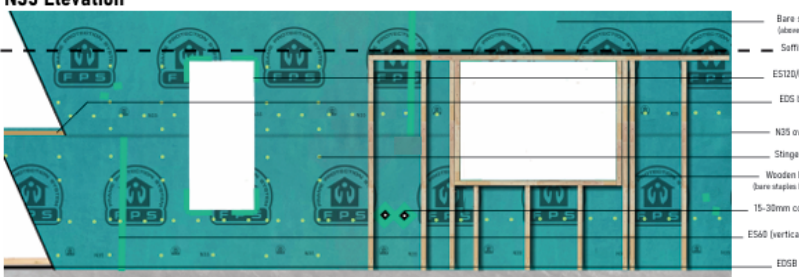
Euroband D/S Brown Tape
Horizontal Joins

- » All horizontal joins need to be taped with a minimum 60mm overlap.
- » When possible, always apply EDS Brown to the bottom edge of the underside of the overlapping membrane. Press in place with a spatula.
- » Allow at least an hour after applying the EDS Brown to the membrane before removing the backing to ensure it cures.
- » Use the provided green spatulas to ensure adhesion.
- » For more information, please refer to FPS Installation Guide.


Corner Taping Steps:

- Apply fillet
- Apply pressure
- Apply 400mm strip
- Apply pressure
- Wrap around front face
- Apply pressure

N35 Elevation



Labels in diagram:
Bare staple (above soffit)
Soffit Line
ES120/ES180
EDS brown
N35 overlap
Stinger C&S
Wooden batten (bare staples behind)
15-30mm conduit
ESAB (vertical join)
EDSB black

 **Install Notes**
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Available at www.frameprotection.co.nz



QUICK RECAP OF THE UNDERLAY SYSTEM

- Suitable for Roof & Walls (with a cavity)
- 100 % Weathertight & Airtight
- Suitable for Passive House
- Waterproof & Non-absorbent
- Can be used in ALL wind Zones including EH & SED completely unsupported
- 90 days UV Exposure (on roof & walls)
- FR Rated – Can be used without restriction
- Codemarked Certified (CM70030)
- All spec's are available on Masterspec & Product Spec/ Smart Spec





ANY QUESTIONS?

