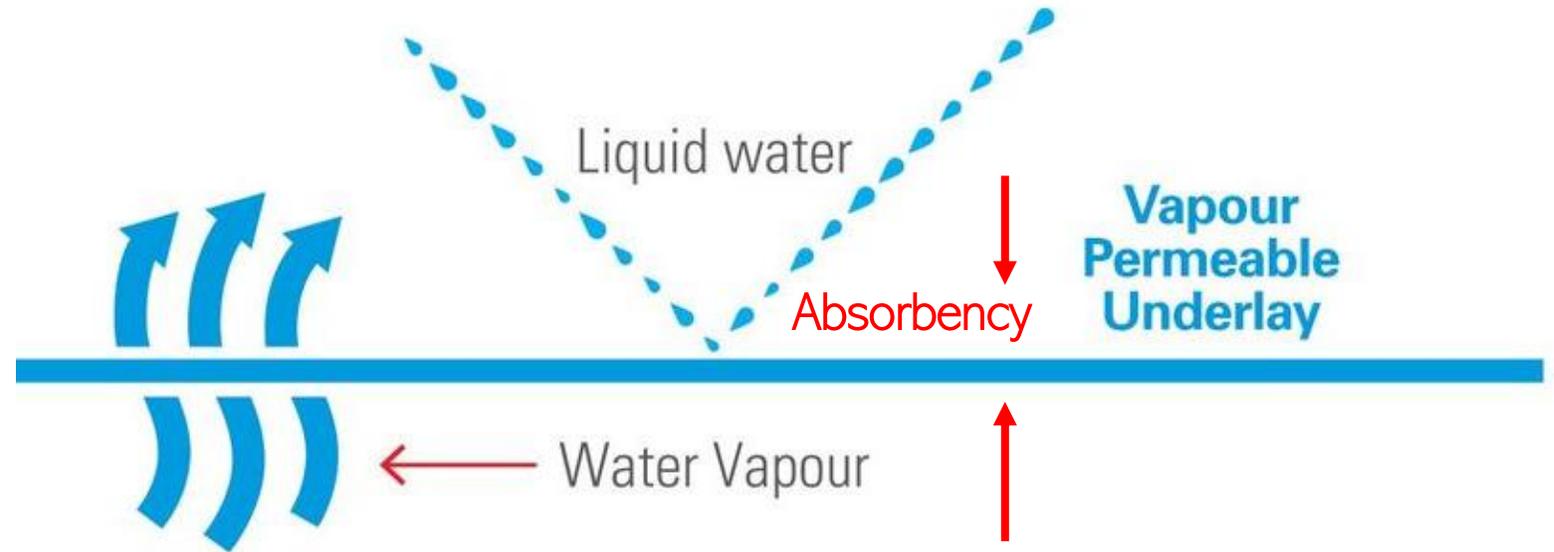


How does an underlay work



Performance Properties NZBC

What is tested	What does this mean	What is the pass rate
Absorbency	How much moisture (condensation & vapour) can be held	Roof 150grams/ sq mtr
Water resistance	Hold out 100mm of moisture for a minimum of 24 hours	Roof 100mm/24hrs
pH Extract	Neutral to avoid potential for corrosion	>6 less <9
Shrinkage	How much movement when moisture is absorbed	<0.5%
Air Resistance	Defining as an air barrier	>0.1 MN.s/m ³
Vapour Resistance	Measure of vapour passing through - defines as vapour permeable	<7MN.s/g (measure of resistance)

Bituminous Underlays



Thermakraft 215

Made from kraft paper coated in bitumen
Permeable and absorbent

Variables within bituminous underlays

Exposure time
Weight
Self Supporting
Wind Zone

Thermakraft 213 not self supporting
Thermakraft 215 is self supporting

Limitations

Prohibited on MoE jobs
Shrinkage with absorption
Max 10mtr length
Cannot use under translucent sheeting

Comparison to Synthetic

Durability
Not fire retardant
Shrinkage with absorption

Synthetic Underlay



Covertex 405



Made from polypropylene
Permeable and absorbent

Variables within synthetic underlay

Fire Retardancy
Exposure time
Water Resistance
Absorbency
Self Supporting
Wind Zone

Limitations

Cannot use under translucent sheeting

Comparison to Bituminous

Higher Performance
Shrink resistant
No restrictions on laid length

On site

Lap joints 150mm

If taping use White General Purpose Tape

Can run horizontally or vertically

Below 10 degrees must be fully supported

Covertex 405 and 407 – tick all the boxes !

Direct or cavity fix

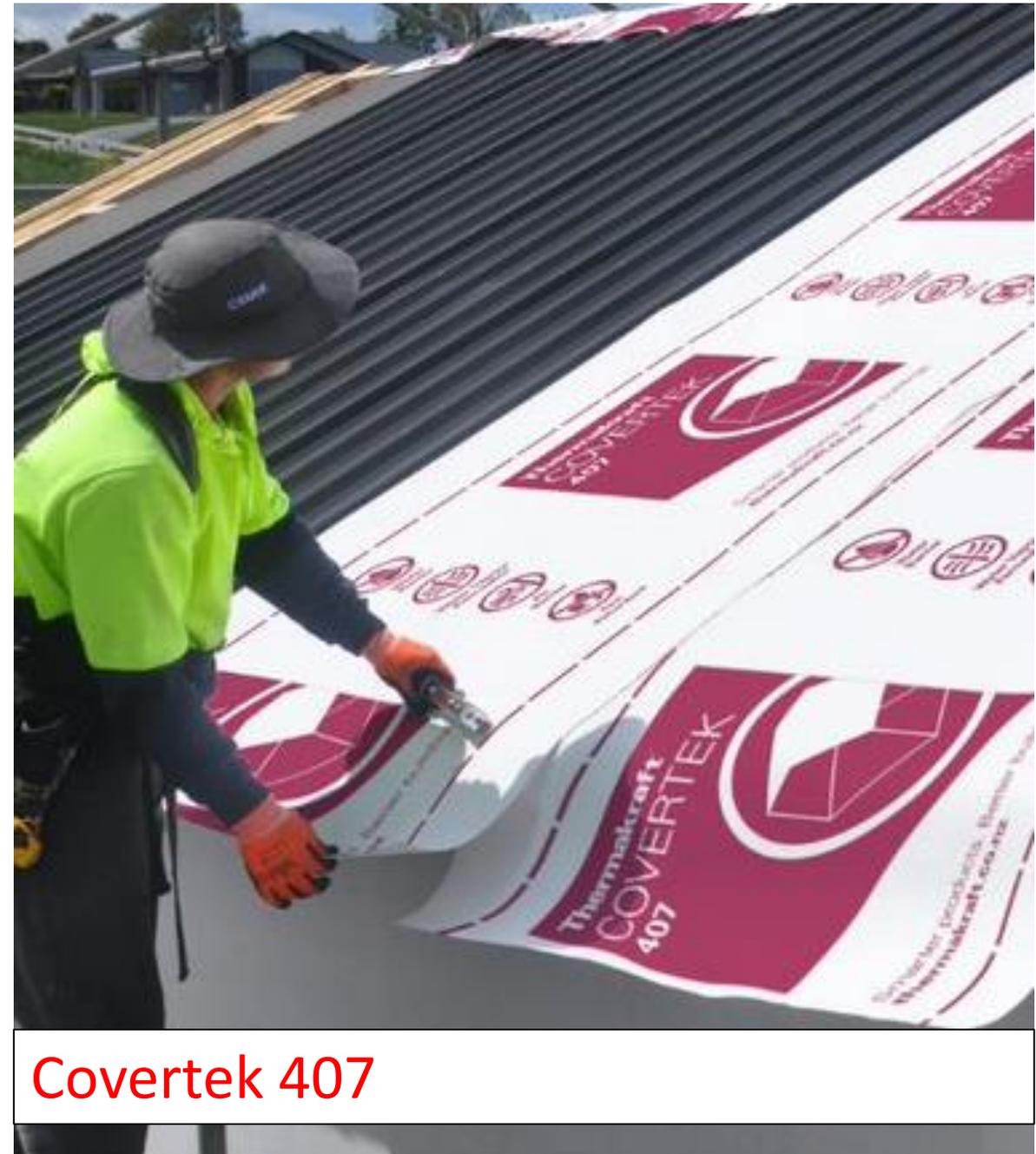
Absorbent and non-absorbent claddings

Extra High Wind Zone

Fire Retardant

Air Barrier

Self Supporting



Covertex 407

Support

Made from galvanized steel wire

Supports underlays and glass wool insulation

NOT a safety mesh

On site

Lay in the same direction as the underlay, foil or insulation's installation direction



Ausnet

Safety Mesh

Ausmesh

Made from high tensile galvanized steel

Supports underlay and provide fall safety

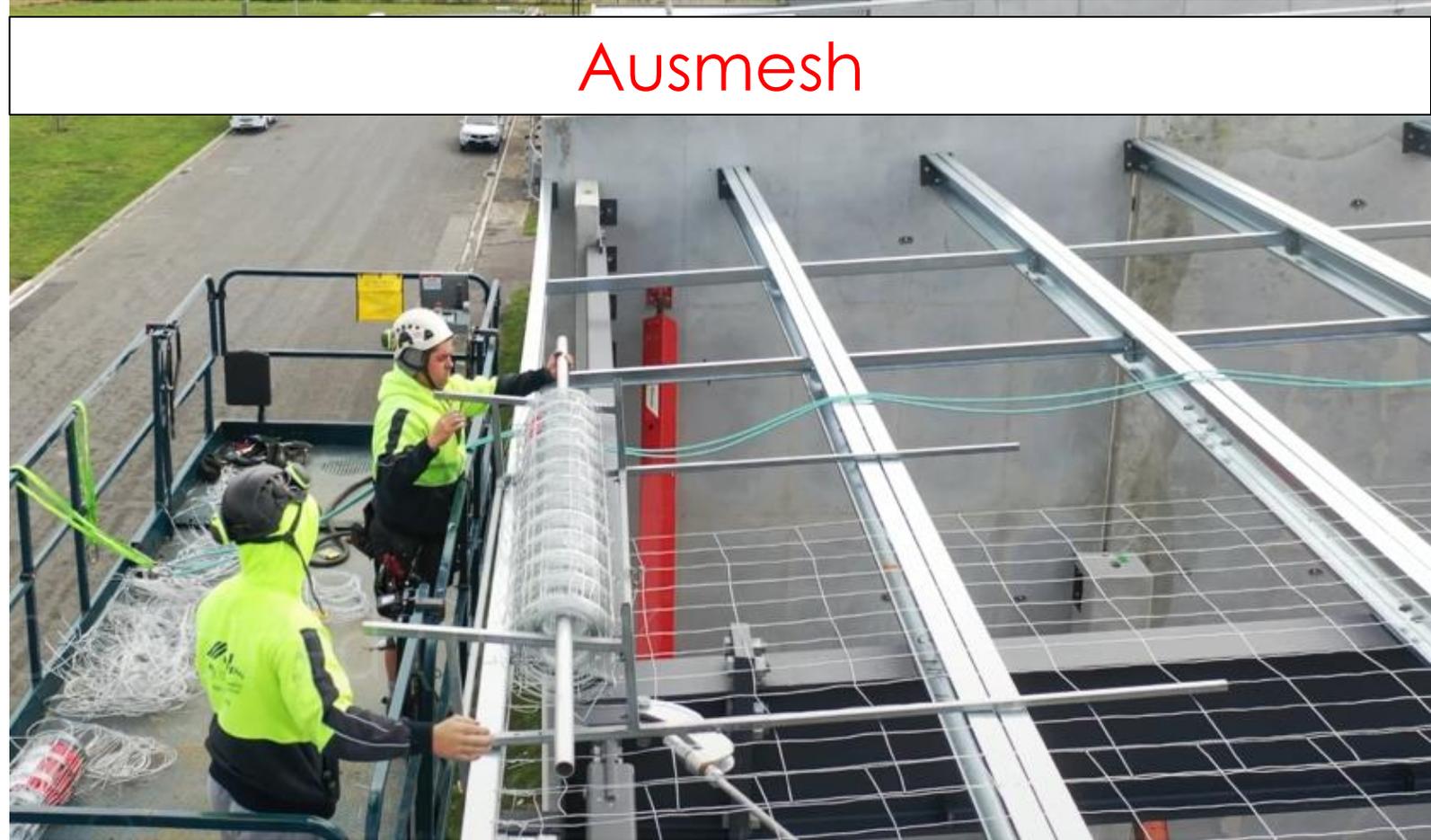
Used on commercial and education
Available PVC coated

Limitations

Must be enclosed

On site

Lay in the same direction as the underlay, foil or insulation install direction



Efficiencies

Labour savings

Reduced waste

Cost of unused product



Wide Width	Covertex 407 Covertex 405 Covertex 401
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Cut to Length	Covertex 407 Covertex 405 Covertex 403 Covertex 401 Ausmesh Thermabar
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Quick Reference Guide online

3D renders

Your Thermakraft Account Manager

Olivia – South Island

Ross – Lower North & Hawkes Bay

Rodney – Waikato / Bay of Plenty

Laura – Auckland & North