



## Elements Channel Cladding

# Elements Channel Cladding



## Stand out naturally

Stable and beautiful, Elements Channel Cladding is guaranteed to withstand even the harshest conditions. Exclusive to East Coast of Australia through Modinex, Elements offers a durable, reliable and stylish cladding solution.

Elements have been innovatively engineered from PEFC managed forests with heat and steam to create a sustainable, strong and stylish product. After thermal modification, the product becomes more durable as early testing has indicated - providing years of expected service in above ground cladding applications.

This strong-looking, versatile cladding is class 2-3 (above ground) - suitable for residential and light commercial developments. It can be pre-oiled to ensure a long life outside and is guaranteed for 15 years against fungal decay (subject to terms and conditions). Create the look you want with the warm natural colour profiles of teak, walnut, patina and graphite as well for external covered areas.

Available in set and random lengths, it's lightweight and easy to work with. A secret fix to profile conceals nails and screws and enables better coating adhesion for a longer lasting product and seamless architectural profile. All the warmth, beauty and texture of natural timber, in a low maintenance, high performance, stand out solution.

## Disclaimer

Thermally Modified Hemlock is a new species in AUS/NZ. The Modinex Group as custodians of compliant solutions to the building industry, have embarked on extensive testing to TMH so that we can give the industry a definitive durability rating. This process, however, takes over 3 years to complete. We have thermally modified hemlock against wood decay fungi in a soil-block bioassay in late 2019.

What we have discovered so far is very promising: Thermally Modified Hemlock (TMH) is more durable than the class 4 timbers (hemlock and radiata pine), and less durable than the class 1 timbers (blackbutt and spotted gum). In comparison to the class 3 timbers, TMH was more durable than messmate, but less durable than brush box. Compared to class 2 timbers, TMH was more durable than WRC but less durable than jarrah. This bioassay suggests that the durability of TMH is within the class 2-3 range. An above ground field test against decay fungi and termites would be required to confirm durability. Until this testing is complete, we recommend utilising CUTEK® Extreme in Humid and/or Termite designated areas and Reserve Paints penetrating Water Borne Oil, or other proprietary wood stain coated all side in other areas





## PROFILES



PR-VHC-TMH-120X20



PR-VHC-TMH-70X40



Download the latest CAD files from the product section of [modinex.com.au](http://modinex.com.au)

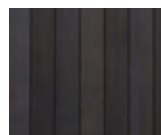
## Elements Channel Cladding

Profile Code	Cover	Thickness (mm)	Profile Height (mm)	Profile Width (mm)
PR-VHC-TMH-120X20-RAW	120mm	20mm	Max Span 600mm	137mm
PR-VHC-TMH-120x20-PV	120mm	20mm	Max Span 600mm	137mm
PR-VHC-TMH-120x20-WV	120mm	20mm	Max Span 600mm	137mm
PR-VHC-TMH-120X20-GV	120mm	20mm	Max Span 600mm	137mm
PR-VHC-TMH-120X20-EV	120mm	20mm	Max Span 600mm	137mm
PR-VHC-TMH-70X40-PV	70mm	40mm	Max Span 600mm	87mm
PR-VHC-TMH-70X40-WV	70mm	40mm	Max Span 600mm	87mm
PR-VHC-TMH-70X40-GV	70mm	40mm	Max Span 600mm	87mm
PR-VHC-TMH-70X40-EV	70mm	40mm	Max Span 600mm	87mm

## Colours\*



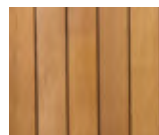
EBONY



GRAPHITE



PATINA \*will silver/  
grey off with age



RAW



WALNUT

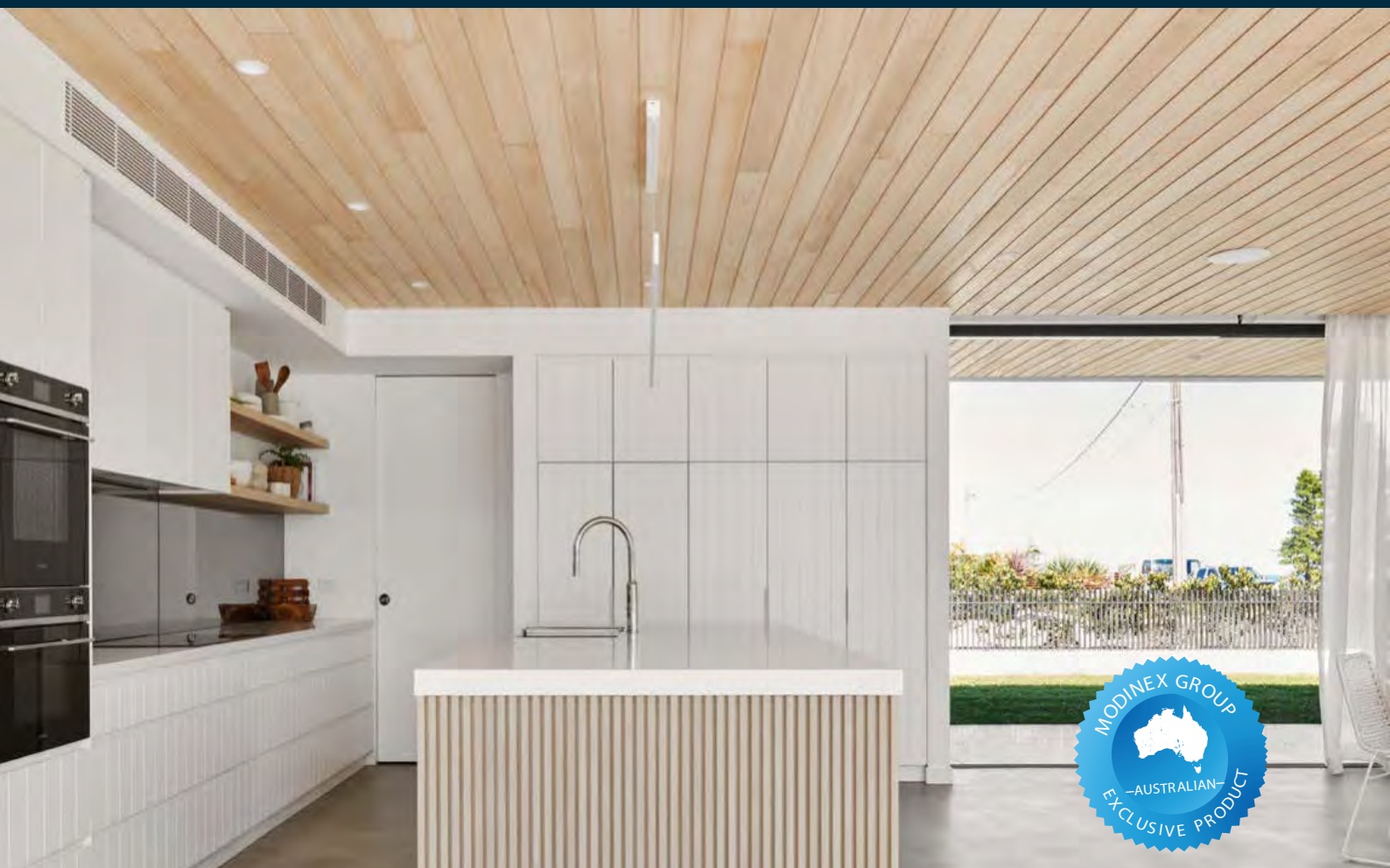
\* Other colours available on request (refer to CUTTEK® Oil range).

## Material



THERMALLY MODIFIED HEMLOCK

# Stable, beautiful, durable cladding



## Warm, natural timber without the maintenance hassle, Elements Channel Cladding is perfect for:

- External feature façade cladding for domestic and commercial applications
- Office complexes
- Commercial reception areas
- Harsh environments
- Residential



Thermal insulation







## There are so many great reasons to choose Elements Channel Cladding



### Seamless Design

Secret tongue and groove fixing system



### Toxin Free

FSC certified and free from chemical preservatives



### Durability Class 2-3 [above ground]

This product is kiln dried for stability



### Pest Resistant

Guaranteed for 25 years against rot, fungal decay, insects, termites



### Diverse Look

Supplied factory pre-oiled in a range of colours with CUTEK® Oil - a high performance plant-based finish in a range of colours



### Durable

Thermally modified - It is a very sustainable and durable product



### Exterior Application

Suitable for outdoor use



### Acoustic Rating



### Low maintenance

Warmth and beauty of natural timber with the benefit of low maintenance and greater durability



### Flexibility

Available in random and set lengths of 3.6, 4.2, 4.5 and 4.8 (subject to availability at the time of order)

# Thermally modified wood - the new age timber

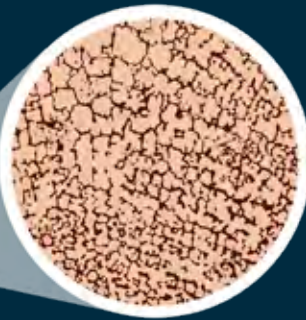
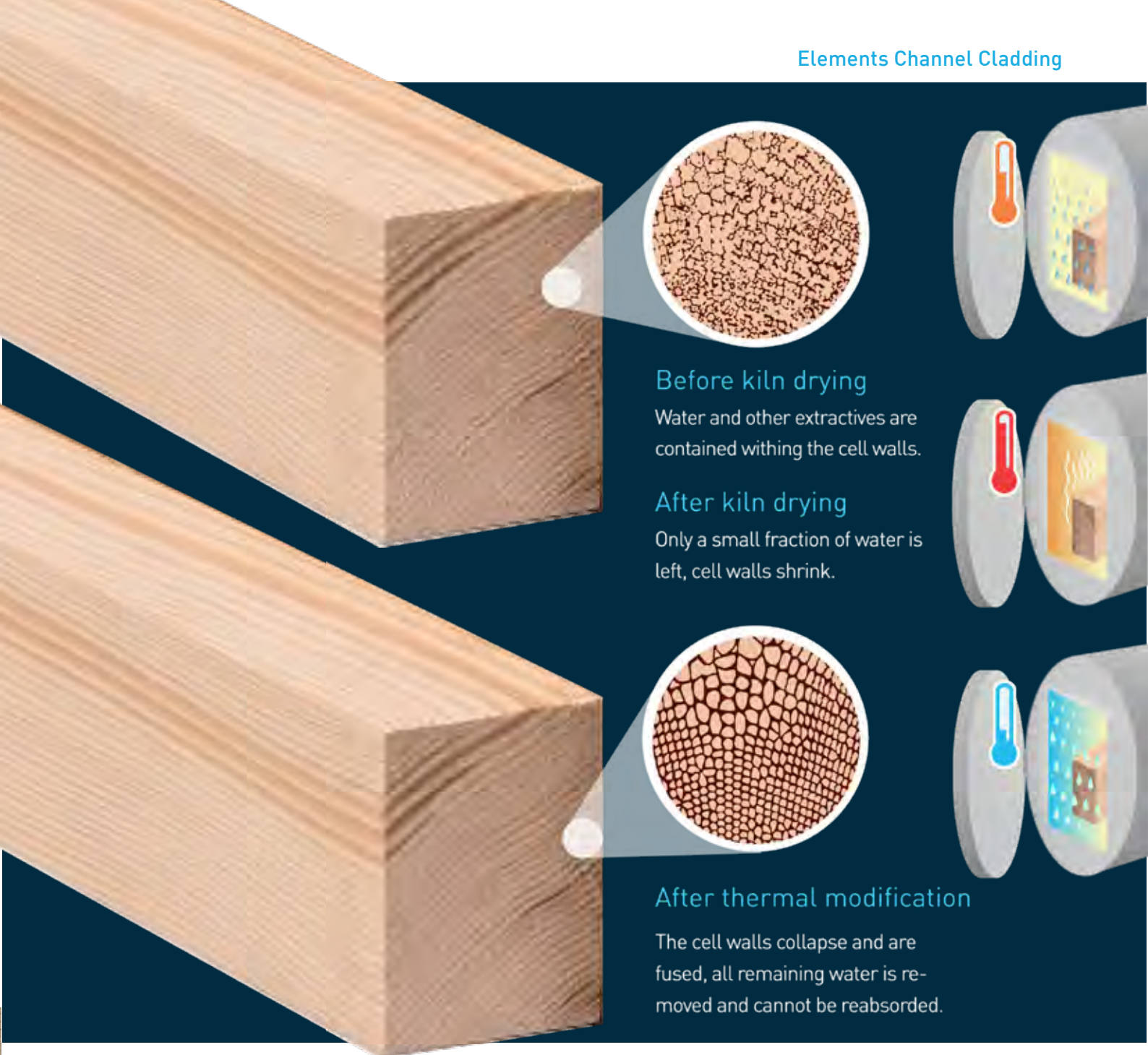
Highly practical, sustainable, environmentally friendly timber species

Thermally modified wood products like Modinex's Elements Channel Cladding represent a new type of innovatively engineered timber that's long-lasting, maintenance-free and easy to install.

The thermal modification process is chemical free and uses heat to cook solid timber to permanently change its properties creating a stable, durable building material that resists decay and rot and provides a service life of 30 years or more when maintained according to manufacturer's recommendations.





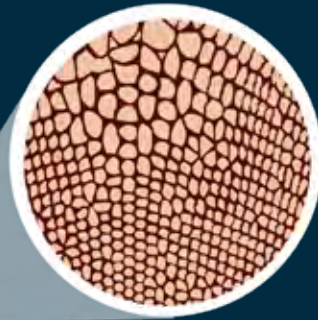


**Before kiln drying**

Water and other extractives are contained within the cell walls.

**After kiln drying**

Only a small fraction of water is left, cell walls shrink.



**After thermal modification**

The cell walls collapse and are fused, all remaining water is removed and cannot be reabsorbed.

**The results are timbers that's:**



**Stable**  
Movement is reduced by up to 90% as compared to other species.



**Beautiful colour**  
The sugar content caramelises, creating a dark brown colour.



**Eco-friendly**  
Contains no environmental hazards and sourced from North America renewable PEFC managed forests.



**Guaranteed**  
To withstand the harshest conditions.



**Durability**  
Increases the durability of softwoods by removing all extractives.



**Improves thermal insulation properties.**



**Safe**  
Avoids the use of any chemicals or preservatives. 100% natural.

Further product information and downloads for Elements Channel Cladding are available at [modinex.com.au](https://modinex.com.au)



Installation Instructions



Product Care



CAD files



Technical Information



Like what you see?

Get in touch and order your free sample today!

Phone 1800 156 455 Email [hello@modinex.com.au](mailto:hello@modinex.com.au)

For further product information and downloads Visit [modinex.com.au](https://modinex.com.au)

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