

CEMINTEL®

Your Cladding Solution Partner

Let's build safe and compliant buildings in Australia



WHAT CAN I USE FOR A FAÇADE RECLAD?

With two tower fires in Melbourne, the absence of a national approach from regulatory bodies to the issue and increasing confusion on what the 2019 NCC update means, this question is being asked A LOT!

Cemintel is committed to providing safe cladding solutions to the industry with thorough testing to validate compliance to all regulatory requirements. They are able to provide support to Architects, Designers, Building Engineers, Builders and Installers to work through the challenges of the reclad process so a better building performance solution can be achieved.

With a reclad project, there is no 'one size fits all' solution. Invariably, the cladding that is being removed was installed years ago and systems have evolved. To help overcome some of this complexity, Cemintel can provide access to the DesignLink team for specific project support and assist with the required alterations to framing so fibre cement panels can be installed. Relevant documentation can also be provided to insurance companies to assist with Professional Indemnity insurance for your project.



Cemintel Surround has been chosen as the replacement cladding product for Calvary Hospital, Canberra.

WHAT SUPPORT CAN CEMINTEL OFFER YOU?

Cemintel is an Australian company and has global partnerships with reputable and accredited manufacturers. Cemintel fibre cement products and systems are an ideal solution for reclad projects to help mitigate any further risk.

Cemintel offer a comprehensive range of fibre cement based products that satisfy the non-combustible requirements of the BCA and can provide:

- Expert technical support and knowledge of the NCC and BCA compliance requirements from our well known DesignLink team who can also provide design assistance for a reclad project;
- Onsite technical assistance in each state;
- Fully tested and compliant framing and cladding systems for Australian conditions;
- Fire Certificates to provide with specification documentation;
- Unparalleled backing and resources from CSR Building Products with more than 160 years history in Australia

PROJECT SHOWCASE

Cemintel fibre cement products have been specified, approved and installed in thousands of square metres of high quality Australian construction projects. Here is a selection of projects showing the diversity of the material in various building types and some of the options of different surface finishes that are suitable for recladding projects.



1 Casey Hospital, VIC 2 Maragon Early Learning Centre Wellard, WA 3 Commonwealth Games Village, QLD 4 University of South Australia, SA
5 Rosanna Train Station, VIC 6 Wollie Creek Apartments, NSW 7 Emmanuel College, VIC 8 St John The Baptist Catholic Primary School, NSW

TERRITORY ACHIEVED 'EW' (EXTERNAL WALL) CLASSIFICATION TO AS5113

Cemintel has tested the Territory range and it achieved the EW classification to AS5113 including passing the arduous criteria of:

- Flaming debris (requirement is ≤ 20 seconds)
- Temperature Rise ($\leq 600^{\circ}\text{C}$)
- Debris Mass ($\leq 2\text{kg}$)

Passing the debris mass requirements is one of the most challenging criteria for suppliers. Unlike Aluminium Composite Panels (ACP), Territory is a cementitious product and therefore does not drip. Aluminium starts to fail (melt) at about $600\text{--}700^{\circ}\text{C}$.



9min

22mins

30mins - crib removed

60mins

Territory is a clip fixing system that can be used in all building types and is suitable for cyclonic conditions to 4.5kPa^* (refer to Tech Spec for full specifications).

A Fire Certificate is available on the website – www.cemintel.com.au/technical/fire-certificates

* this rating is for horizontal installation using the long clip. See Tech Spec for further information regarding cyclonic performance.

BARESTONE, COMMERCIAL EXPRESSPANEL AND SURROUND RANGES

Other ranges to specify, approve and install for re clad projects include Barestone, Commercial ExpressPanel and Surround. These products and systems are industry renowned and comply with the Deemed-to-Satisfy requirements of the BCA for non-combustibility.

Fire Certificates are available for each range to accompany specification documentation (from the website).

MITIGATE RISK WITH FIBRE CEMENT FOR A SAFE AND SUCCESSFUL RECLAD

A well documented concern from the Grenfell fire (and other tower fires where ACP has been used) is how quickly the flames spread with this cladding material. An inherent property of fibre cement is that it does not contribute to the spread of flame. Spread of flame has become an important consideration point for façade and cladding materials, based on investigations of the tower fires.

Fibre cement products are deemed non-combustible according to the 2016 BCA Volume 1 Amendment 1 Section C1.9 and Volume 2 Clause 3.7.1.2. Cemintel fibre cement linings have been assessed with reference to AS3837 as Group 1 materials. Group 1 is the highest rating and allows the material to be used as a wall or ceiling lining in all building areas.

A number of buildings across the country have been identified with non-compliant ACP product and require recladding. It is generally becoming increasingly difficult to understand what products are safe options to use. Specifically, ACP options are confusing, due in large part to different classifications applying to different states, uncertainty on the actual composition of the core material and misleading claims by some suppliers and the withdrawal of Codemark certified products. There is a further emerging worry for ACP – the toxicity associated with these products in a fire.
