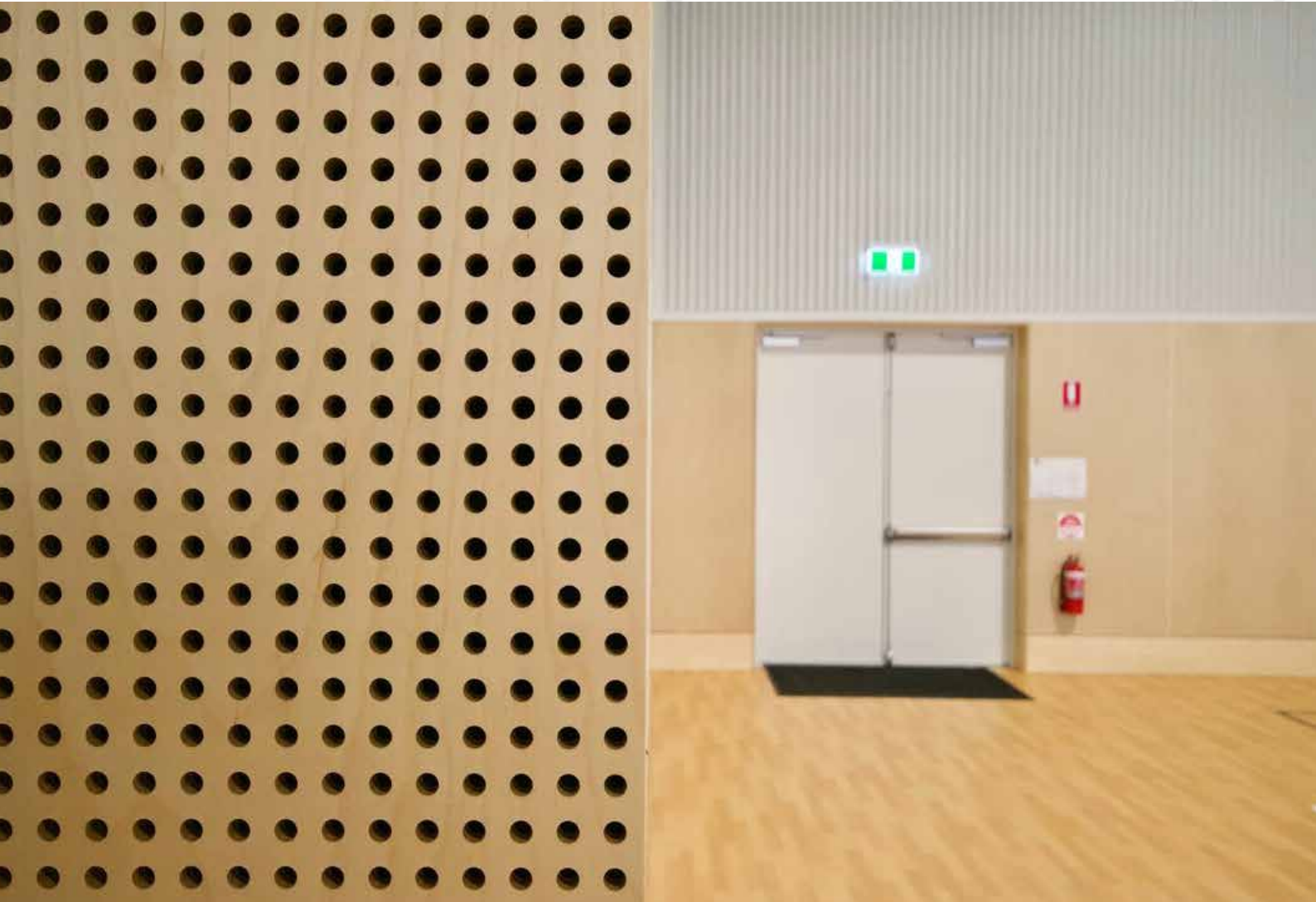


# KEY-SHIELD



*We bring Architects Imagination to Life*

[www.KeystoneLinings.com.au](http://www.KeystoneLinings.com.au)



## KEY-SHIELD

FOR SURFACES WHERE FIRE SAFETY IS KEY

Keystones's **KEY-SHIELD** expand and effectively extinguish the flow of heat to the treated surface, providing fire retardant protection to your timber and saving lives. **KEY-SHIELD** is water and solvent-based clear intumescent coating system designed for use on interior timber wall and ceiling surfaces and is available in a matt or satin finish.

### TYPE AND/OR USE OF PRODUCT

Keystones's **KEY-SHIELD** for application onto timber based substrates with a minimum density of 338 kg/m<sup>3</sup> and a minimum thickness of 8mm and used on internal wall and ceiling lining applications.

Keystones's **KEY-SHIELD** will achieve Group 1 rating and an average specific extinction area of less than 250m<sup>2</sup>/kg.

### DESCRIPTION OF PRODUCT

**KEY-SHIELD** refer to three different water based intumescent coating systems:

- Key-Shield TimberClear 1FR and Key-Shield Top Coat - Clear Coating;
- Key-Shield TimberWhite 2FR - white pigmented coating;
- Key-Shield TimberWhitewash - semi-transparent white pigmented coating

## LIMITATIONS AND CONDITIONS

## BUILDING CLASSIFICATION/S

Key-Shield TimberWhite 2FR and Key-Shield TimberWhitewash may be coated with top coats and Key-Shield TimberClear 1FR may have a stain or sealer undercoat subject to approval of Fire Protection Coatings Pty Ltd and testing by and Accredited Laboratory in accordance with EN 13823 to verify the Group 1 rating. Key-Shield TimberClear Top Coat must not be top coated with any other product.	Class 2 to 9
Storage, application and maintenance must be done in accordance with Key-Shield Application Guide AI-FSANZ02 date 23rd of August 2019 (AI-FSANZ02).	Class 2 to 9
Walls and/or ceiling linings with timber base substrates coated with Key-Shield, must be listed as an essential fire safety measure and must appear on the Annual Fires Safety Statement in NSW or interstate equivalent and must be inspected annually. It is essential to ensure that coating has not been removed, covered or in any way tempered with.	Class 2 to 9
An annual inspection of the products must be undertaken by a Key-Shield registered applicator or a suitably qualified and experienced practitioner with a full understanding of the Key-Shield coating systems and Australian Surface Finish requirements.	Class 2 to 9
Acceptable and unacceptable product condition must be determined as identified in the document AI-FSANZ02.	Class 2 to 9
In the area where Key-Shield is present, it is required to install at least one product label on or in close proximity to the coated surface and a large product description label in the switchboard cupboard serving the coated area, in accordance with document AI-FSANZ02.	Class 2 to 9
Any necessary repairs are to be carried out in accordance with document AI-FSANZ02.	Class 2 to 9

## LIMITATIONS AND CONDITIONS

## BUILDING CLASSIFICATION/S

<p>When applied to a non-perforated timber surface, only the exposed surface (surface to view) is required to be coated. This requirement applies regardless of whether the panel is affixed directly to a substrate or an air gap is created behind the panel.</p> <p>When applied on a perforated surface (perforation made prior to application of the coating) and the panels are directly attached to a non-combustible substrate, the following shall be coated:</p> <ul style="list-style-type: none"> <li>a) the exposed surface (surface to view); and</li> <li>b) The surface in the inside of the perforation (s).</li> </ul> <p>When applied on a perforated surface (perforation made prior to application of the coating) and the panels are fixed in such a manner that an air gap is created behind the panel, the following shall be coated:</p> <ul style="list-style-type: none"> <li>a) The exposed surface (surface to view);</li> <li>b) The surface in the inside of the perforation(s); and</li> <li>c) The back surface of the panel.</li> </ul> <p>Perforation made on treated timber shall be re-coated unless the perforation is made such that a non-combustible item (such as a nail or screw) fills the hole.</p>	<p>Class 2 to 9</p>
<p>Application of Key-Shield is limited to uncoated timber base substrates or timber base substrates.</p>	<p>Class 2 to 9</p>
<p>Post treatment alterations, fixings, attachments, or penetrations to meet the relevant BCA Deemed-to-Satisfy Provisions including that fixings penetrating the treated timber are to be non-combustible and any exposed timber is to be treated accordingly.</p>	<p>Class 2 to 9</p>
<p>Product application must be undertaken or supervised by a professional applicator that has been trained and approved registered by Key-Shield or a Key-Shields Distributor/Nominee.</p>	<p>Class 2 to 9</p>
<p>In case of off site application, thorough inspection and repair of any damages prior to installation in accordance with the AIFSANZ02 must be undertaken.</p>	<p>Class 2 to 9</p>



## ADELAIDE BOTANIC HIGH SCHOOL, ADELAIDE



## PROSPECT PUBLIC LIBRARY



## GRANT THORNTON OFFICE





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