



# PRODUCT CERTIFICATE

## Allied Superslab Concrete Floors



### KEY INFORMATION

CERTIFICATE: GM-CM30086 Rev G

<b>1</b>	<b>SUMMARY OF DESCRIPTION OF BUILDING METHOD OR PRODUCT</b>
	Allied Superslab Concrete Floors are reinforced concrete, slab-on-ground floors using polystyrene void formers or QPOD moulded plastic pod void formers.
<b>2</b>	<b>SUMMARY OF INTENDED USE OF BUILDING METHOD OR PRODUCT</b>
	Allied Superslab Concrete Floors has been designed to support timber framed residential houses up to 2 storeys generally satisfying the requirements of NZS3604, with the following general applications: <ul style="list-style-type: none"> <li>• With a maximum height of 10 m measured from the ground to the apex and,</li> <li>• Supported on “good ground” as defined by the Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B1 Ministry of Business, Innovation and Employment, First Edition, July 2005 (Amendment 19, 28 November 2019) and,</li> <li>• With a floor maximum length of 30 m unless detailed with free joints in accordance with Allied Ready SuperSlab – Technical Manual (June 2020) Rev H; and,</li> <li>• Situated in Wind Zones up to and including Extra High</li> </ul>
<b>3</b>	<b>BUILDING CODE PROVISIONS</b>
	The Allied Superslab Concrete Floors when designed, installed, used and maintained in accordance with the statements and conditions of this certificate will meet the following provisions of the NZBC: <p><b>Clause B1 STRUCTURE:</b> Performance B1.3.1, B1.3.2 and B1.3.4 for the relevant physical conditions of B1.3.3 (a), (b), (f), (h), (m) and (q)</p> <p><b>Clause B2 DURABILITY:</b> Performance B2.3.1 (a), B2.3.2 (a) – not less than 50 years</p> <p><b>Clause E2 EXTERNAL MOISTURE:</b> Performance E2.3.3 and E2.3.7</p> <p><b>Clause F2 HAZARDOUS BUILDING MATERIALS:</b> Performance F2.3.1</p>

<b>4</b>	<b>CERTIFICATE HOLDER DETAILS</b>
	<p><b>Allied Concrete Ltd</b></p> <p>35 Inglewood Road, Invercargill 9810.</p> <p><a href="mailto:info@alliedconcrete.co.nz">info@alliedconcrete.co.nz</a></p> <p>Tel: .03 2171600 or 0800 4 255433</p> <p><a href="http://www.alliedconcrete.co.nz">www.alliedconcrete.co.nz</a></p>

ISSUED	LAST UPDATE	EXPIRY
03/09/2020	7/12/2021	03/09/2023
<b>5 SIGNATURE</b>		
 Herve Michoux, Global Mark Managing Director		

<b>6</b>	<b>PRODUCT CERTIFICATION BODY</b>
	<p><b>Global-Mark Pty Ltd</b></p> <p>57 Willis Street Wellington, 6011</p> <p><a href="mailto:customer.service@global-mark.co.nz">customer.service@global-mark.co.nz</a> +64 9 889 0622 <a href="http://www.global-mark.co.nz">www.global-mark.co.nz</a></p> <p>The complaints process for this certificate can be found here: <a href="https://www.global-mark.com.au/?s=complaint">https://www.global-mark.com.au/?s=complaint</a></p>



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CERTIFICATE V1.4

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<b>7</b>	<b>CONDITIONS AND LIMITATIONS OF USE</b>
<p>1. Allied Superslab Concrete Floors have been certified for use in buildings within the following scope limitations:</p> <ol style="list-style-type: none"> <li>a. Timber framed buildings, up to two storeys high, within the scope of NZS 3604:2011 (paragraph 1.1.2),</li> <li>b. With a maximum height of 10 m measured from the ground to the apex,</li> <li>c. Supported on “good ground” as defined by the Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B1 Ministry of Business, Innovation and Employment, First Edition, July 2005 (Amendment 19, 28 November 2019),</li> <li>d. With a floor maximum length of 30 m unless detailed with free joints in accordance with Allied Ready SuperSlab – Technical Manual (June 2020) Rev H; and</li> <li>e. Situated in Wind Zones up to and including Extra High</li> </ol> <p>2. Allied Superslab Concrete Floors shall be specified, designed, installed and maintained in accordance with the following Technical Documentation:</p> <ol style="list-style-type: none"> <li>a. BRANZ Appraisal No. 964 [2017] Amended 15 October 2021 Allied Superslab Concrete Floors</li> <li>b. Allied Ready SuperSlab – Technical Manual (June 2020) Rev H</li> </ol> <p>3. Reinforcing Steel, Polystyrene Pods or QPOD, Bar Chairs, Pod Spacers and Damp Proof Membrane must be selected, used, handled and stored in compliance with the requirement of the Technical Documentation</p> <p>4. The installation must be either done or supervised by an LPB who holds either a carpentry or a foundation license and have access to the Technical Documentation</p> <p>5. A minimum of 20 MPa Allied CSS or RSS mixes must be used except in Exposure Zone D where the minimum requirement is 25 MPa concrete. The specified concrete mixes must be manufactured in accordance with NZS 3104:2010 and in Allied Concrete plants</p>	
<b>8</b>	<b>HEALTH AND SAFETY INFORMATION</b>
Standard industry safety practices and manufacturer safety requirement as detailed in the technical literature including applicable SDS must be observed at all time.	
<b>9</b>	<b>SUPPORTING INFORMATION ABOUT DESCRIPTION</b>
Nil	
<b>10</b>	<b>SUPPORTING INFORMATION ABOUT INTENDED USE</b>
Refer to Allied Ready SuperSlab – Technical Manual Rev H, dated September 2021.	
<b>11</b>	<b>SUPPORTING INFORMATION ABOUT CONDITIONS AND LIMITATIONS OF USE</b>
Nil	

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12 BASIS FOR CERTIFICATION			
The certification decision is based independent technical review(s) of engineering opinion(s) and other documented evidence(s), factory audit(s) and site review(s)			
Code Clause	Compliance pathway		Evidence
Clause B1 STRUCTURE:	Acceptable Solution – Testing and assessment		Items 1, 2 and 3
Clause B2 DURABILITY:	Acceptable Solution – Reference to use of acceptable materials		Items 2 and 3
Clause E2 EXTERNAL MOISTURE	Acceptable Solution – Reference to New Zealand Standard		Items 1, 2 and 3
Clause F2 HAZARDOUS BUILDING MATERIALS	Alternative solution – Expert judgement		Item 4
13 SUPPORTING DOCUMENTATION FOR CERTIFICATION			
Ref	Author	Title	Date and/or revision
1	Allied Concrete Ltd	Allied Ready SuperSlab Technical Manual	Rev-H September 2021
2	BRANZ	BRANZ Appraisal No. 964 (2017) – Allied Superslab Concrete Floors	15 October 2021
3 *	BRANZ	BRANZ Appraisals Means of Compliance – BRANZ Appraisal No. 964 (2017)	14 October 2021
4	Allied Concrete	Material Safety Data Sheet for Ready Mixed Concrete (plastic concrete, concrete slurry, concrete bleed water, wet concrete)	20 January 2020
* This document was provided commercial in confidence and is not publicly available.			
14 CONDITIONS RELATING TO NOTIFICATION			
<p>a) the certificate holder notifies the product certification body in writing of any intended change to any of the following particulars:</p> <ol style="list-style-type: none"> <li>the name, address, or contact details of the certificate holder;</li> <li>any address of a location where a certified product is produced or manufactured;</li> </ol> <p>b) the certificate holder notifies the product certification body in writing of any intended change, modification, or alteration to any of the following:</p> <ol style="list-style-type: none"> <li>the certified building method or product;</li> <li>the method of its production or manufacture;</li> <li>the product quality plan prepared in respect of the certified building method or product;</li> <li>the application or installation instructions for the certified building method or product;</li> <li>any documentation relating to the use and maintenance of the certified building method or product;</li> </ol> <p>c) if the certificate holder has any reason to suspect that the certified building method or product does not comply with the Building Code, the certificate holder notifies the product certification body in writing of the reason for that suspicion;</p> <p>d) if the certificate holder or the product certification body finds that a certified building method or product that has been released on the market does not comply with the Building Code, the certificate holder discloses that fact in disclosure statements published in a form that is acceptable to the product certification body and to the chief executive;</p> <p>e) if the certificate is suspended or revoked, the certificate holder—</p> <ol style="list-style-type: none"> <li>notifies all customers to whom the building method or product is regularly supplied; and</li> <li>immediately ceases using the certificate, the mark of conformity, and any reference to the number of the certificate.</li> </ol> <p><b>End of the document</b></p>			