

Rule 2.7, 3.10.3, 3.10.4, 3.10.5

# Appendix 3B

## New issue announcement, application for quotation of additional securities and agreement

*Information or documents not available now must be given to ASX as soon as available. Information and documents given to ASX become ASX's property and may be made public.*

Introduced 01/07/96 Origin: Appendix 5 Amended 01/07/98, 01/09/99, 01/07/00, 30/09/01, 11/03/02, 01/01/03, 24/10/05, 01/08/12, 04/03/13

Name of entity

Alexium International Group Limited

ABN

91 064 820 408

We (the entity) give ASX the following information.

### Part 1 - All issues

*You must complete the relevant sections (attach sheets if there is not enough space).*

- |   |   |  |
|---|---|--|
| 1 | +Class of +securities issued or to be issued  | Fully paid ordinary shares   |
| 2 | Number of +securities issued or to be issued (if known) or maximum number which may be issued   | (1) 804,285<br>(2) 1,082,780<br>(3) 155,000<br>Total: 2,042,065 fully paid ordinary shares |
| 3 | Principal terms of the +securities (e.g. if options, exercise price and expiry date; if partly paid +securities, the amount outstanding and due dates for payment; if +convertible securities, the conversion price and dates for conversion) | Shares are issued on the same terms as existing fully paid ordinary shares                 |

+ See chapter 19 for defined terms.

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<p>4 Do the +securities rank equally in all respects from the +issue date with an existing +class of quoted +securities?</p> <p>If the additional +securities do not rank equally, please state:</p> <ul style="list-style-type: none"> <li>• the date from which they do</li> <li>• the extent to which they participate for the next dividend, (in the case of a trust, distribution) or interest payment</li> <li>• the extent to which they do not rank equally, other than in relation to the next dividend, distribution or interest payment</li> </ul>	<p>Shares rank equally with existing ordinary shares on issue</p>
<p>5 Issue price or consideration</p>	<p>(1) Conversion of vested performance rights granted in lieu of director remuneration equal to US\$77,250.</p> <p>(2) Nil</p> <p>(3) Nil</p>
<p>6 Purpose of the issue (If issued as consideration for the acquisition of assets, clearly identify those assets)</p>	<p>(1) Conversion of vested performance rights to participating directors in lieu of director remuneration following shareholder approval dated 14 November 2018 (Resolutions 4-6).</p> <p>(2) Conversion of vested performance rights under the Company's shareholder approved employee long term incentive plan for the 12-month period ending 31 December 2018. This includes the conversion of vested performance rights granted to Dr Robert Brookins following shareholder approval dated 14 November 2018 (Resolution 7).</p> <p>(3) Employee separation benefit.</p>
<p>6a Is the entity an +eligible entity that has obtained security holder approval under rule 7.1A?</p> <p>If Yes, complete sections 6b – 6h in relation to the +securities the subject of this Appendix 3B, and comply with section 6i</p>	<p>Yes</p>

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+ See chapter 19 for defined terms.

6b	The date the security holder resolution under rule 7.1A was passed	14 November 2018
6c	Number of +securities issued without security holder approval under rule 7.1	(3) 155,000
6d	Number of +securities issued with security holder approval under rule 7.1A	(1) 804,285 (shareholder approval dated 14 November 2018 Resolutions 4-6) (2) 287,600 (shareholder approval dated 14 November 2018 Resolution 7)  Total: 1,091,885
6e	Number of +securities issued with security holder approval under rule 7.3, or another specific security holder approval (specify date of meeting)	Nil
6f	Number of +securities issued under an exception in rule 7.2	Exemption 9 – 795,180
6g	If +securities issued under rule 7.1A, was issue price at least 75% of 15 day VWAP as calculated under rule 7.1A.3? Include the +issue date and both values. Include the source of the VWAP calculation.	Nil
6h	If +securities were issued under rule 7.1A for non-cash consideration, state date on which valuation of consideration was released to ASX Market Announcements	N/A
6i	Calculate the entity's remaining issue capacity under rule 7.1 and rule 7.1A – complete Annexure 1 and release to ASX Market Announcements	See Annexure 1
7	+Issue dates  Note: The issue date may be prescribed by ASX (refer to the definition of issue date in rule 19.12). For example, the issue date for a pro rata entitlement issue must comply with the applicable timetable in Appendix 7A.  Cross reference: item 33 of Appendix 3B.	13 August 2019

+ See chapter 19 for defined terms.

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8 Number and <sup>+</sup>class of all <sup>+</sup>securities quoted on ASX (including the <sup>+</sup>securities in section 2 if applicable)

Number	<sup>+</sup> Class
347,485,663	Fully Paid Ordinary Shares

9 Number and <sup>+</sup>class of all <sup>+</sup>securities not quoted on ASX (including the <sup>+</sup>securities in section 2 if applicable)

Number	<sup>+</sup> Class
1,500,000	Unlisted Options expiring 30 September 2020 exercisable at \$0.75
300,000	Unlisted Options expiring 4 November 2019 exercisable at \$0.75
300,000	Unlisted Options expiring 4 November 2019 exercisable at \$1.25
300,000	Unlisted Options expiring 4 November 2019 exercisable at \$1.75
4,255,319	Unlisted Warrants exercisable at \$0.35
257,683	Performance Rights

10 Dividend policy (in the case of a trust, distribution policy) on the increased capital (interests)

N/A
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## Part 2 - Pro rata issue

11 Is security holder approval required?

N/A
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<sup>+</sup> See chapter 19 for defined terms.

12	Is the issue renounceable or non-renounceable?	N/A
13	Ratio in which the <sup>+</sup> securities will be offered	N/A
14	<sup>+</sup> Class of <sup>+</sup> securities to which the offer relates	N/A
15	<sup>+</sup> Record date to determine entitlements	N/A
16	Will holdings on different registers (or subregisters) be aggregated for calculating entitlements?	N/A
17	Policy for deciding entitlements in relation to fractions	N/A
18	Names of countries in which the entity has security holders who will not be sent new offer documents  <small>Note: Security holders must be told how their entitlements are to be dealt with. Cross reference: rule 7.7.</small>	N/A
19	Closing date for receipt of acceptances or renunciations	N/A

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<sup>+</sup> See chapter 19 for defined terms.

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20	Names of any underwriters	N/A
21	Amount of any underwriting fee or commission	N/A
22	Names of any brokers to the issue	N/A
23	Fee or commission payable to the broker to the issue	N/A
24	Amount of any handling fee payable to brokers who lodge acceptances or renunciations on behalf of security holders	N/A
25	If the issue is contingent on security holders' approval, the date of the meeting	N/A
26	Date entitlement and acceptance form and offer documents will be sent to persons entitled	N/A
27	If the entity has issued options, and the terms entitle option holders to participate on exercise, the date on which notices will be sent to option holders	N/A
28	Date rights trading will begin (if applicable)	N/A
29	Date rights trading will end (if applicable)	N/A
30	How do security holders sell their entitlements <i>in full</i> through a broker?	N/A
31	How do security holders sell <i>part</i> of their entitlements through a broker and accept for the balance?	N/A

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+ See chapter 19 for defined terms.

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|----|--|-----|
| 32 | How do security holders dispose of their entitlements (except by sale through a broker)? | N/A |
| 33 | +Issue date  | N/A |

### Part 3 - Quotation of securities

*You need only complete this section if you are applying for quotation of securities*

34    Type of +securities  
      *(tick one)*

(a)    ☒ +Securities described in Part 1

(b)    ☐ All other +securities

Example: restricted securities at the end of the escrowed period, partly paid securities that become fully paid, employee incentive share securities when restriction ends, securities issued on expiry or conversion of convertible securities

#### Entities that have ticked box 34(a)

#### Additional securities forming a new class of securities

*Tick to indicate you are providing the information or documents*

- 35    ☐ If the +securities are +equity securities, the names of the 20 largest holders of the additional +securities, and the number and percentage of additional +securities held by those holders
- 36    ☐ If the +securities are +equity securities, a distribution schedule of the additional +securities setting out the number of holders in the categories
- 1 - 1,000  
1,001 - 5,000  
5,001 - 10,000  
10,001 - 100,000  
100,001 and over
- 37    ☐ A copy of any trust deed for the additional +securities

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+ See chapter 19 for defined terms.

**Entities that have ticked box 34(b)**

38	Number of <sup>+</sup> securities for which <sup>+</sup> quotation is sought	N/A	
39	<sup>+</sup> Class of <sup>+</sup> securities for which quotation is sought	N/A	
40	Do the <sup>+</sup> securities rank equally in all respects from the <sup>+</sup> issue date with an existing <sup>+</sup> class of quoted <sup>+</sup> securities?  If the additional <sup>+</sup> securities do not rank equally, please state: <ul style="list-style-type: none"> <li>the date from which they do</li> <li>the extent to which they participate for the next dividend, (in the case of a trust, distribution) or interest payment</li> <li>the extent to which they do not rank equally, other than in relation to the next dividend, distribution or interest payment</li> </ul>	N/A	
41	Reason for request for quotation now  Example: In the case of restricted securities, end of restriction period  (if issued upon conversion of another <sup>+</sup> security, clearly identify that other <sup>+</sup> security)	N/A	
42	Number and <sup>+</sup> class of all <sup>+</sup> securities quoted on ASX (including the <sup>+</sup> securities in clause 38)	Number N/A	<sup>+</sup> Class N/A

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<sup>+</sup> See chapter 19 for defined terms.



### Quotation agreement

- 1 +Quotation of our additional +securities is in ASX's absolute discretion. ASX may quote the +securities on any conditions it decides.
- 2 We warrant the following to ASX.
  - The issue of the +securities to be quoted complies with the law and is not for an illegal purpose.
  - There is no reason why those +securities should not be granted +quotation.
  - An offer of the +securities for sale within 12 months after their issue will not require disclosure under section 707(3) or section 1012C(6) of the Corporations Act.  
Note: An entity may need to obtain appropriate warranties from subscribers for the securities in order to be able to give this warranty
  - Section 724 or section 1016E of the Corporations Act does not apply to any applications received by us in relation to any +securities to be quoted and that no-one has any right to return any +securities to be quoted under sections 737, 738 or 1016F of the Corporations Act at the time that we request that the +securities be quoted.
  - If we are a trust, we warrant that no person has the right to return the +securities to be quoted under section 1019B of the Corporations Act at the time that we request that the +securities be quoted.
- 3 We will indemnify ASX to the fullest extent permitted by law in respect of any claim, action or expense arising from or connected with any breach of the warranties in this agreement.
- 4 We give ASX the information and documents required by this form. If any information or document is not available now, we will give it to ASX before +quotation of the +securities begins. We acknowledge that ASX is relying on the information and documents. We warrant that they are (will be) true and complete.



Sign here: ..... Date: 14 August 2019  
Company Secretary

Print name: Maja McGuire

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+ See chapter 19 for defined terms.

## Appendix 3B – Annexure 1

### Calculation of placement capacity under rule 7.1 and rule 7.1A for eligible entities

Introduced 01/08/12 Amended 04/03/13

#### Part 1

Rule 7.1 – Issues exceeding 15% of capital	
<b>Step 1: Calculate “A”, the base figure from which the placement capacity is calculated</b>	
<b>Insert</b> number of fully paid +ordinary securities on issue 12 months before the +issue date or date of agreement to issue	345,443,598
<b>Add</b> the following: <ul style="list-style-type: none"> <li>Number of fully paid +ordinary securities issued in that 12 month period under an exception in rule 7.2</li> <li>Number of fully paid +ordinary securities issued in that 12 month period with shareholder approval</li> <li>Number of partly paid +ordinary securities that became fully paid in that 12 month period</li> </ul> <b>Note:</b> <ul style="list-style-type: none"> <li>Include only ordinary securities here – other classes of equity securities cannot be added</li> <li>Include here (if applicable) the securities the subject of the Appendix 3B to which this form is annexed</li> <li>It may be useful to set out issues of securities on different dates as separate line items</li> </ul>	795,180 (13 August 2019)  804,285 (shareholder approval dated 14 November 2018 Resolutions 4-6) - (13 August 2019)  287,600 (shareholder approval dated 14 November 2018 Resolution 7) - (13 August 2019)  Nil
<b>Subtract</b> the number of fully paid +ordinary securities cancelled during that 12 month period	Nil
<b>“A”</b>	347,330,663

+ See chapter 19 for defined terms.

<b>Step 2: Calculate 15% of “A”</b>	
<b>“B”</b>	0.15 <i>[Note: this value cannot be changed]</i>
<b>Multiply “A” by 0.15</b>	52,099,599
<b>Step 3: Calculate “C”, the amount of placement capacity under rule 7.1 that has already been used</b>	
<p><b>Insert</b> number of +equity securities issued or agreed to be issued in that 12 month period <i>not counting</i> those issued:</p> <ul style="list-style-type: none"> <li>• Under an exception in rule 7.2</li> <li>• Under rule 7.1A</li> <li>• With security holder approval under rule 7.1 or rule 7.4</li> </ul> <p><i>Note:</i></p> <ul style="list-style-type: none"> <li>• <i>This applies to equity securities, unless specifically excluded – not just ordinary securities</i></li> <li>• <i>Include here (if applicable) the securities the subject of the Appendix 3B to which this form is annexed</i></li> <li>• <i>It may be useful to set out issues of securities on different dates as separate line items</i></li> </ul>	155,000 (13 August 2019)
<b>“C”</b>	<b>155,000</b>
<b>Step 4: Subtract “C” from [“A” x “B”] to calculate remaining placement capacity under rule 7.1</b>	
<p><b>“A” x 0.15</b></p> <p><i>Note: number must be same as shown in Step 2</i></p>	52,099,599
<p><b>Subtract “C”</b></p> <p><i>Note: number must be same as shown in Step 3</i></p>	155,000
<b>Total [“A” x 0.15] – “C”</b>	<p>51,944,599</p> <p><i>[Note: this is the remaining placement capacity under rule 7.1]</i></p>

+ See chapter 19 for defined terms.

## Part 2

<b>Rule 7.1A – Additional placement capacity for eligible entities</b>	
<b>Step 1: Calculate “A”, the base figure from which the placement capacity is calculated</b>	
<b>“A”</b>  <i>Note: number must be same as shown in Step 1 of Part 1</i>	347,330,663
<b>Step 2: Calculate 10% of “A”</b>	
<b>“D”</b>	0.10  <i>Note: this value cannot be changed</i>
<b>Multiply “A” by 0.10</b>	34,733,066
<b>Step 3: Calculate “E”, the amount of placement capacity under rule 7.1A that has already been used</b>	
<b>Insert</b> number of +equity securities issued or agreed to be issued in that 12 month period under rule 7.1A  <b>Notes:</b> <ul style="list-style-type: none"> <li>• This applies to equity securities – not just ordinary securities</li> <li>• Include here – if applicable – the securities the subject of the Appendix 3B to which this form is annexed</li> <li>• Do not include equity securities issued under rule 7.1 (they must be dealt with in Part 1), or for which specific security holder approval has been obtained</li> <li>• It may be useful to set out issues of securities on different dates as separate line items</li> </ul>	0
<b>“E”</b>	0

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+ See chapter 19 for defined terms.

<b>Step 4: Subtract “E” from [“A” x “D”] to calculate remaining placement capacity under rule 7.1A</b>	
“A” x 0.10  <i>Note: number must be same as shown in Step 2</i>	34,733,066
<b>Subtract “E”</b>  <i>Note: number must be same as shown in Step 3</i>	0
<b>Total</b> [“A” x 0.10] – “E”	34,733,066  <i>Note: this is the remaining placement capacity under rule 7.1A</i>

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+ See chapter 19 for defined terms.

## Cleansing Notice Under section 708A(5)(e) of the Corporations Act

**Perth, Australia, and Greer, South Carolina – 14 August 2019** – Alexium International Group Limited ("Alexium," "the Company," ASX: AJX) advises that it has issued 2,042,065 ordinary shares as per the attached Appendix 3B.

The Company advises that the Corporations Act 2001 (Cth) (Corporations Act) restricts the on-sale of securities issued without disclosure unless the sale is exempt under section 708 or section 708A.

This notice is given by the Company under section 708A(5)(e) of the Corporations Act in relation to an issue of shares by the Company without disclosure to investors under Part 6D.2 of the Corporations Act.

As at the date of this notice, the Company has complied with:

- (a) the provisions of Chapter 2M of the Corporations Act as they apply to the Company; and
- (b) section 674 of the Corporations Act.

The Company confirms that, as at the date of this notice, there is no information that:

- (a) has been excluded from a continuous disclosure notice given to the ASX in accordance with the ASX Listing Rules; and
- (b) investors and their professional advisers would reasonably require for the purpose of making an informed assessment of:
  - (i) the assets and liabilities, financial position and performance, profits and losses and prospects of the Company; or
  - (ii) the rights and liabilities attaching to fully paid ordinary shares.

### About Alexium International Group Limited

Alexium International Group Limited (ASX: AJX) holds proprietary patent applications for novel technologies developed to provide flame retardancy for a wide range of materials. These environmentally friendly flame retardants have applications for several industries and can be customized. Further, Alexium develops proprietary products for advanced thermoregulation utilizing phase change materials. Alexium also holds patents for a process developed initially by the U.S. Department of Defense, which allows for the surface modification and attachment of nanoparticles or multiple chemical functional groups to surfaces or substrates to provide fire retardancy and various additional functionalities. Applications under development include but are not limited to textiles, packaging, electronics, and building materials. Alexium's chemical treatments are currently marketed as Alexicool® and Alexiflam®. For additional information about Alexium, please visit [www.alexiuminternational.com](http://www.alexiuminternational.com).

#### U.S. Contact

Mark Wise, VP Investor Relations  
[mwise@alexiuminternational.com](mailto:mwise@alexiuminternational.com)

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#### Listing Information

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