

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**
Washington, D.C. 20549

FORM 6-K

**Report of Foreign Private Issuer Pursuant to Rule 13a-16 or 15d-16
under the Securities Exchange Act of 1934**

For the Month of September 2016

1-15240
(Commission File Number)

JAMES HARDIE INDUSTRIES plc
(Translation of registrant's name into English)

Europa House, Second Floor
Harcourt Centre
Harcourt Street, Dublin 2, Ireland
(Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F.

Form 20-F..X.... Form 40-F.....

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): Not Applicable

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): Not Applicable

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Forward-Looking Statements

This Form 6-K contains forward-looking statements. James Hardie Industries plc (the “company”) may from time to time make forward-looking statements in its periodic reports filed with or furnished to the Securities and Exchange Commission, on Forms 20-F and 6-K, in its annual reports to shareholders, in offering circulars, invitation memoranda and prospectuses, in media releases and other written materials and in oral statements made by the company’s officers, directors or employees to analysts, institutional investors, existing and potential lenders, representatives of the media and others. Statements that are not historical facts are forward-looking statements and such forward-looking statements are statements made pursuant to the Safe Harbor Provisions of the Private Securities Litigation Reform Act of 1995.

Examples of forward-looking statements include:

- statements about the company’s future performance;
- projections of the company’s results of operations or financial condition;
- statements regarding the company’s plans, objectives or goals, including those relating to strategies, initiatives, competition, acquisitions, dispositions and/or its products;
- expectations concerning the costs associated with the suspension or closure of operations at any of the company’s plants and future plans with respect to any such plants;
- expectations concerning the costs associated with the significant capital expenditure projects at any of the company’s plants and future plans with respect to any such projects;
- expectations regarding the extension or renewal of the company’s credit facilities including changes to terms, covenants or ratios;
- expectations concerning dividend payments and share buy-backs;
- statements concerning the company’s corporate and tax domiciles and structures and potential changes to them, including potential tax charges;
- statements regarding tax liabilities and related audits, reviews and proceedings;
- expectations about the timing and amount of contributions to Asbestos Injuries Compensation Fund (AICF), a special purpose fund for the compensation of proven Australian asbestos-related personal injury and death claims;
- expectations concerning the adequacy of the company’s warranty provisions and estimates for future warranty-related costs;
- statements regarding the company’s ability to manage legal and regulatory matters (including but not limited to product liability, environmental, intellectual property and competition law matters) and to resolve any such pending legal and regulatory matters within current estimates and in anticipation of certain third-party recoveries; and
- statements about economic conditions, such as changes in the US economic or housing recovery or changes in the market conditions in the Asia Pacific region, the levels of new home construction and home renovations, unemployment levels, changes in consumer income, changes or stability in housing values, the availability of mortgages and other financing, mortgage and other interest rates, housing affordability and supply, the levels of foreclosures and home resales, currency exchange rates, and builder and consumer confidence

Words such as “believe,” “anticipate,” “plan,” “expect,” “intend,” “target,” “estimate,” “project,” “predict,” “forecast,” “guideline,” “aim,” “will,” “should,” “likely,” “continue,” “may,” “objective,” “outlook” and similar expressions are intended to identify forward-looking statements but are not the exclusive means of identifying such statements. Readers are cautioned not to place undue reliance on these forward-looking statements and all such forward-looking statements are qualified in their entirety by reference to the following cautionary statements.

Forward-looking statements are based on the company’s current expectations, estimates and assumptions and because forward-looking statements address future results, events and conditions, they, by their very nature, involve inherent risks and uncertainties, many of which are unforeseeable and beyond the company’s control. Such known and unknown risks, uncertainties and other factors may cause actual results, performance or other achievements to differ materially from the anticipated results, performance or achievements expressed, projected or implied by these forward-looking statements. These factors, some of which are discussed under “Risk Factors” in Section 3 of the Form 20-F filed with the Securities and Exchange Commission on 19 May 2016, include, but are not limited to: all matters relating to or arising out of the prior manufacture of products that contained asbestos by current and former company subsidiaries; required contributions to AICF, any shortfall in AICF and the effect of currency exchange rate movements on the amount recorded in the company’s financial statements as an asbestos liability; governmental loan facility to AICF; compliance with and changes in tax laws and treatments; competition and product pricing in the markets in which the company operates; the consequences of product failures or defects; exposure to environmental, asbestos, putative consumer class action or other legal proceedings; general economic and market conditions; the supply and cost of raw materials; possible increases in competition and the potential that competitors could copy the company’s products; reliance on a small number of customers; a customer’s inability to pay; compliance with and changes in environmental and health and safety laws; risks of conducting business internationally; compliance with and changes in laws and regulations; currency exchange risks; dependence on customer preference and the concentration of the company’s customer base on large format retail customers, distributors and dealers; dependence on residential and commercial construction markets; the effect of adverse changes in climate or weather patterns; possible inability to renew credit facilities on terms favorable to the company, or at all; acquisition or sale of businesses and business segments; changes in the company’s key management personnel; inherent limitations on internal controls; use of accounting estimates; and all other risks identified in the company’s reports filed with Australian, Irish and US securities regulatory agencies and exchanges (as appropriate). The company cautions you that the foregoing list of factors is not exhaustive and that other risks and uncertainties may cause actual results to differ

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materially from those referenced in the company's forward-looking statements. Forward-looking statements speak only as of the date they are made and are statements of the company's current expectations concerning future results, events and conditions. The company assumes no obligation to update any forward-looking statements or information except as required by law.

EXHIBIT INDEX

<u>Exhibit No.</u>	<u>Description</u>
99.1	Appendix 3B ASX 16 September 16
99.2	Appendix 3B ASX 19 September 16

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Date: 19 September 2016

James Hardie Industries plc

By: /s/ Natasha Mercer

Natasha Mercer
Company Secretary

EXHIBIT INDEX

<u>Exhibit No.</u>	<u>Description</u>
99.1	Appendix 3B ASX 16 September 16
99.2	Appendix 3B ASX 19 September 16

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

James Hardie Industries plc

ABN

097 829 895 Incorporated in Ireland. The liability of members is limited.

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 | Ordinary shares/CUFS issued on vesting of Restricted Stock Units (RSUs). |
| 2 | Number of *securities issued or to be issued (if known) or maximum number which may be issued | RSUs vesting: 427,445 ordinary shares/CUFS. |
| 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) | RSUs vesting: 427,445 ordinary shares/CUFS issued on vesting of RSUs. |

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

<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"> ● the date from which they do ● the extent to which they participate for the next dividend, (in the case of a trust, distribution) or interest payment ● the extent to which they do not rank equally, other than in relation to the next dividend, distribution or interest payment 	<p>Yes, ordinary shares/CUFS issued on vesting of RSUs rank equally with issued ordinary shares/CUFS.</p>
<p>5 Issue price or consideration</p>	<p>Vesting of RSUs: 427,445. No amount payable.</p>
<p>6 Purpose of the issue (If issued as consideration for the acquisition of assets, clearly identify those assets)</p>	<p>Vesting of RSUs: 1) 371,317 RSUs vesting pursuant to the James Hardie Industries Long Term Incentive Plan 2006 (2006 Plan); and 2) 56,128 RSUs vesting pursuant to the James Hardie Industries 2001 Equity Incentive Plan (2001 Plan).</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 <i>in relation to the +securities the subject of this Appendix 3B</i>, and comply with section 6i</p>	<p>No. Equity securities issued under the 2001 Plan are no longer the subject of security holder approval.</p>
<p>6b The date the security holder resolution under rule 7.1A was passed</p>	<p>Not applicable</p>
<p>6c Number of +securities issued without security holder approval under rule 7.1</p>	<p>56,128</p>
<p>6d Number of +securities issued with security holder approval under rule 7.1A</p>	<p>Not applicable</p>

+ See chapter 19 for defined terms.

6e	Number of +securities issued with security holder approval under rule 7.3, or another specific security holder approval (specify date of meeting)	Not applicable							
6f	Number of +securities issued under an exception in rule 7.2	371,317							
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.	Not applicable							
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	Not applicable							
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	66,578,604 (Annexure 1 attached)							
7	<p>+Issue dates</p> <p>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.</p> <p>Cross reference: item 33 of Appendix 3B.</p>	16 September 2016							
8	Number and +class of all +securities quoted on ASX (<i>including</i> the +securities in section 2 if applicable)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Number</th> <th style="text-align: left;">+Class</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">446,039,721</td> <td>Ordinary shares/CUFS</td> </tr> </tbody> </table>	Number	+Class	446,039,721	Ordinary shares/CUFS	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">+Class</th> </tr> </thead> <tbody> <tr> <td>Ordinary shares/CUFS</td> </tr> </tbody> </table>	+Class	Ordinary shares/CUFS
Number	+Class								
446,039,721	Ordinary shares/CUFS								
+Class									
Ordinary shares/CUFS									

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

9	Number and +class of all +securities not quoted on ASX (including the +securities in section 2 if applicable)	<table border="1"> <thead> <tr> <th data-bbox="597 159 1024 184">Number</th> <th data-bbox="1040 159 1539 184">+Class</th> </tr> </thead> <tbody> <tr> <td data-bbox="597 184 1024 254">75,592</td> <td data-bbox="1040 184 1539 210">2001 Plan Options</td> </tr> <tr> <td data-bbox="597 210 1024 235">573,084</td> <td data-bbox="1040 210 1539 235">2001 Plan RSUs</td> </tr> <tr> <td data-bbox="597 235 1024 260">2,740,553</td> <td data-bbox="1040 235 1539 260">2006 Plan RSUs</td> </tr> </tbody> </table> <p data-bbox="597 302 1024 371">152,611 2006 Plan RSUs have been cancelled.</p> <p data-bbox="597 392 1024 438">No 2001 Plan RSUs have been cancelled.</p> <p data-bbox="597 459 1024 529">No 2001 Plan stock options have been cancelled.</p>	Number	+Class	75,592	2001 Plan Options	573,084	2001 Plan RSUs	2,740,553	2006 Plan RSUs	
Number	+Class										
75,592	2001 Plan Options										
573,084	2001 Plan RSUs										
2,740,553	2006 Plan RSUs										
10	Dividend policy (in the case of a trust, distribution policy) on the increased capital (interests)	Ordinary shares/CUFS issued on vesting of RSUs rank for dividends equally with issued ordinary shares/CUFS.									

Part 2 - Pro rata issue

11	Is security holder approval required?	Not applicable
12	Is the issue renounceable or non-renounceable?	Not applicable
13	Ratio in which the +securities will be offered	Not applicable
14	+Class of +securities to which the offer relates	Not applicable
15	+Record date to determine entitlements	Not applicable
16	Will holdings on different registers (or subregisters) be aggregated for calculating entitlements?	Not applicable
17	Policy for deciding entitlements in relation to fractions	Not applicable

+ See chapter 19 for defined terms.

18	Names of countries in which the entity has security holders who will not be sent new offer documents Note: Security holders must be told how their entitlements are to be dealt with. Cross reference: rule 7.7.	Not applicable
19	Closing date for receipt of acceptances or renunciations	Not applicable
20	Names of any underwriters	Not applicable
21	Amount of any underwriting fee or commission	Not applicable
22	Names of any brokers to the issue	Not applicable
23	Fee or commission payable to the broker to the issue	Not applicable
24	Amount of any handling fee payable to brokers who lodge acceptances or renunciations on behalf of security holders	Not applicable
25	If the issue is contingent on security holders' approval, the date of the meeting	Not applicable
26	Date entitlement and acceptance form and offer documents will be sent to persons entitled	Not applicable
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	Not applicable
28	Date rights trading will begin (if applicable)	Not applicable
29	Date rights trading will end (if applicable)	Not applicable
30	How do security holders sell their entitlements <i>in full</i> through	Not applicable

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

a broker?	
31 How do security holders sell part of their entitlements through a broker and accept for the balance?	Not applicable
32 How do security holders dispose of their entitlements (except by sale through a broker)?	Not applicable
33 +Issue date	Not applicable

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

Entities that have ticked box 34(b)

+ See chapter 19 for defined terms.

38	Number of +securities for which +quotation is sought	Not applicable	
39	+Class of +securities for which quotation is sought	Not applicable	
40	<p>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"> • the date from which they do • the extent to which they participate for the next dividend, (in the case of a trust, distribution) or interest payment • the extent to which they do not rank equally, other than in relation to the next dividend, distribution or interest payment 	Not applicable	
41	<p>Reason for request for quotation now</p> <p>Example: In the case of restricted securities, end of restriction period</p> <p>(if issued upon conversion of another +security, clearly identify that other +security)</p>	Not applicable	
42	Number and +class of all +securities quoted on ASX (including the +securities in clause 38)	Number	+Class
		Not applicable	Not applicable

+ 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: /s/Natasha Mercer.....
 Company Secretary

Date: 16 September 2016

Print name: Natasha Mercer.....

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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	
Step 1: Calculate “A”, the base figure from which the placement capacity is calculated	
Insert number of fully paid +ordinary securities on issue 12 months before the +issue date or date of agreement to issue	446,499,096
Add the following: <ul style="list-style-type: none"> • Number of fully paid +ordinary securities issued in that 12 month period under an exception in rule 7.2 • Number of fully paid +ordinary securities issued in that 12 month period with shareholder approval • Number of partly paid +ordinary securities that became fully paid in that 12 month period 	<div style="margin-bottom: 10px;">1,193,872</div> <div style="margin-bottom: 10px;">Not applicable</div> <div style="margin-bottom: 10px;">Not applicable</div>
Note: <ul style="list-style-type: none"> • <i>Include only ordinary securities here – other classes of equity securities cannot be added</i> • <i>Include here (if applicable) the securities the subject of the Appendix 3B to which this form is annexed</i> • <i>It may be useful to set out issues of securities on different dates as separate line items</i> 	
Subtract the number of fully paid +ordinary securities cancelled during that 12 month period	(1,653,247)
“A”	446,039,721

+ See chapter 19 for defined terms.

04/03/2013

Appendix 3B Page 9

Step 2: Calculate 15% of "A"	
"B"	0.15 <i>[Note: this value cannot be changed]</i>
Multiply "A" by 0.15	66,905,958
Step 3: Calculate "C", the amount of placement capacity under rule 7.1 that has already been used	
<p>Insert 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"> • Under an exception in rule 7.2 • Under rule 7.1A • With security holder approval under rule 7.1 or rule 7.4 <p><i>Note:</i></p> <ul style="list-style-type: none"> • <i>This applies to equity securities, unless specifically excluded – not just ordinary securities</i> • <i>Include here (if applicable) the securities the subject of the Appendix 3B to which this form is annexed</i> • <i>It may be useful to set out issues of securities on different dates as separate line items</i> 	327,354
"C"	327,354
Step 4: Subtract "C" from ["A" x "B"] to calculate remaining placement capacity under rule 7.1	
"A" x 0.15 <i>Note: number must be same as shown in Step 2</i>	66,905,958
Subtract "C" <i>Note: number must be same as shown in Step 3</i>	(327,354)
Total ["A" x 0.15] – "C"	66,578,604 <i>[Note: this is the remaining placement capacity under rule 7.1]</i>

+ See chapter 19 for defined terms.

Part 2

Rule 7.1A – Additional placement capacity for eligible entities

Step 1: Calculate “A”, the base figure from which the placement capacity is calculated

<p>“A”</p> <p><i>Note: number must be same as shown in Step 1 of Part 1</i></p>	Not applicable
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Step 2: Calculate 10% of “A”

<p>“D”</p>	<p>0.10</p> <p><i>Note: this value cannot be changed</i></p>
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Multiply “A” by 0.10

Not applicable

Step 3: Calculate “E”, the amount of placement capacity under rule 7.1A that has already been used

<p>Insert number of +equity securities issued or agreed to be issued in that 12 month period under rule 7.1A</p> <p><i>Notes:</i></p> <ul style="list-style-type: none"> • <i>This applies to equity securities – not just ordinary securities</i> • <i>Include here – if applicable – the securities the subject of the Appendix 3B to which this form is annexed</i> • <i>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</i> • <i>It may be useful to set out issues of securities on different dates as separate line items</i> 	Not applicable
---	----------------

<p>“E”</p>	Not applicable
------------	----------------

+ See chapter 19 for defined terms.

Step 4: Subtract "E" from ["A" x "D"] to calculate remaining placement capacity under rule 7.1A	
"A" x 0.10 <i>Note: number must be same as shown in Step 2</i>	Not applicable
Subtract "E" <i>Note: number must be same as shown in Step 3</i>	Not applicable
Total ["A" x 0.10] – "E"	Not applicable <i>Note: this is the remaining placement capacity under rule 7.1A</i>

+ See chapter 19 for defined terms.

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

James Hardie Industries plc

ABN

097 829 895 Incorporated in Ireland. The liability of members is limited.

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

Three separate issuances:

- A) Ordinary shares/CUFS issued on exercise of stock options;
- B) Ordinary shares/CUFS issued on vesting of Restricted Stock Units (**RSUs**); and
- C) RSUs granted under the James Hardie Industries Long Term Incentive Plan 2006 (**2006 Plan**):
 - Returned on Capital Employed (**ROCE**) RSUs are contractual entitlements to be issued ordinary shares/CUFS upon satisfaction of certain conditions; and
 - Relative Total Shareholder Return (**TSR**) RSUs are contractual entitlements to be issued ordinary shares/CUFS upon satisfaction of certain conditions.

+ See chapter 19 for defined terms.

04/03/2013

Appendix 3B Page 1

Appendix 3B
New issue announcement

2 Number of +securities issued or to be issued (if known) or maximum number which may be issued

Total of 1,057,253 securities, broken down as follows:

- A) Options exercised: 20,500 ordinary shares/CUFS;
- B) RSUs vesting: 172,395 ordinary shares/CUFS; and
- C) RSUs granted on 16 September 2016 (US time): 864,358.

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)

A) Options exercised: Ordinary shares/CUFS issued on exercise of options, as follows:

- 20,500 at \$8.40 with an expiry date of 21 November 2016;

B) RSUs vesting: 172,395 ordinary shares/CUFS issued on vesting of RSUs; and

C) RSUs granted: Two separate tranches granted, as follows:

- 407,539 ROCE RSUs, a proportion of which will vest on 16 September 2019 depending on JHIplc's ROCE performance and negative discretion applied by the Remuneration Committee; and
- 456,819 Relative TSR RSUs, which will vest between 3 and 4.5 years from the date of grant depending on JHIplc's TSR performance relative to its peer group.

+ See chapter 19 for defined terms.

<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"> • the date from which they do • the extent to which they participate for the next dividend, (in the case of a trust, distribution) or interest payment • the extent to which they do not rank equally, other than in relation to the next dividend, distribution or interest payment 	<p>A) Options exercised: Yes, ordinary shares issued on exercise of options rank equally with issued ordinary shares/CUFS;</p> <p>B) RSUs vesting: Yes, ordinary shares/CUFS issued on vesting of RSUs rank equally with issued ordinary shares/CUFS; and</p> <p>C) RSUs granted: Not applicable.</p>
<p>5 Issue price or consideration</p>	<p>A) Options exercised: Allotment of ordinary shares/CUFS on exercise of options: 20,500 at \$8.40;</p> <p>B) RSUs vesting: 172,395. No amount payable; and</p> <p>C) RSUs granted: 864,358. No cash consideration was paid.</p>
<p>6 Purpose of the issue (If issued as consideration for the acquisition of assets, clearly identify those assets)</p>	<p>A) Options exercised: Exercise of stock options issued pursuant to the James Hardie Industries 2001 Equity Incentive Plan (2001 Plan);</p> <p>B) RSUs vesting: 172,395 RSUs vesting pursuant to the 2006 Plan; and</p> <p>C) RSUs granted:</p> <ul style="list-style-type: none"> • Grant of 407,539 ROCE RSUs, under the 2006 LTI Plan as part of the LTI received by senior executives for FY17; and • Grant of 456,819 Relative TSR RSUs, under the 2006 LTI Plan as part of the LTI received by senior executives for FY17.

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

<p>6a Is the entity an *eligible entity that has obtained security holder approval under rule 7.1A? If Yes, complete sections 6b – 6h <i>in relation to the *securities the subject of this Appendix 3B</i>, and comply with section 6i</p>	<p>No. Equity securities issued under the 2001 Plan are no longer the subject of security holder approval.</p>
<p>6b The date the security holder resolution under rule 7.1A was passed</p>	<p>Not applicable</p>
<p>6c Number of *securities issued without security holder approval under rule 7.1</p>	<p>A) Options exercised: 20,500</p>
<p>6d Number of *securities issued with security holder approval under rule 7.1A</p>	<p>Not applicable</p>
<p>6e Number of *securities issued with security holder approval under rule 7.3, or another specific security holder approval (specify date of meeting)</p>	<p>Not applicable</p>
<p>6f Number of *securities issued under an exception in rule 7.2</p>	<p>B) RSUs vesting: 172,395; and C) RSUs granted: 864,358.</p>
<p>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.</p>	<p>Not applicable</p>
<p>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</p>	<p>Not applicable</p>
<p>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</p>	<p>66,607,538 (Annexure 1 attached)</p>

+ See chapter 19 for defined terms.

7	<p>+Issue dates</p> <p>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.</p> <p>Cross reference: item 33 of Appendix 3B.</p>	19 September 2016
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8	<p>Number and +class of all +securities quoted on ASX (including the +securities in section 2 if applicable)</p>	Number	+Class
		446,232,616	Ordinary shares/CUFS

9	<p>Number and +class of all +securities not quoted on ASX (including the +securities in section 2 if applicable)</p>	Number	+Class
		<p style="text-align: center;">55,092</p> <p style="text-align: center;">573,084</p> <p style="text-align: center;">3,215,336</p> <p>217,180 2006 Plan RSUs have been cancelled.</p> <p>No 2001 Plan RSUs have been cancelled.</p> <p>No 2001 Plan stock options have been cancelled.</p>	<p>2001 Plan Options</p> <p>2001 Plan RSUs</p> <p>2006 Plan RSUs</p>

10	<p>Dividend policy (in the case of a trust, distribution policy) on the increased capital (interests)</p>	<p>Ordinary shares/CUFS issued on vesting of RSUs rank for dividends equally with issued ordinary shares/CUFS.</p>
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Part 2 - Pro rata issue

11	<p>Is security holder approval required?</p>	Not applicable
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+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

12	Is the issue renounceable or non-renounceable?	Not applicable
13	Ratio in which the +securities will be offered	Not applicable
14	+Class of +securities to which the offer relates	Not applicable
15	+Record date to determine entitlements	Not applicable
16	Will holdings on different registers (or subregisters) be aggregated for calculating entitlements?	Not applicable
17	Policy for deciding entitlements in relation to fractions	Not applicable
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>	Not applicable
19	Closing date for receipt of acceptances or renunciations	Not applicable
20	Names of any underwriters	Not applicable
21	Amount of any underwriting fee or commission	Not applicable
22	Names of any brokers to the issue	Not applicable
23	Fee or commission payable to the broker to the issue	Not applicable
24	Amount of any handling fee payable to brokers who lodge acceptances or renunciations on behalf of security holders	Not applicable
25	If the issue is contingent on security holders' approval, the date of the meeting	Not applicable

+ See chapter 19 for defined terms.

26	Date entitlement and acceptance form and offer documents will be sent to persons entitled	Not applicable
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	Not applicable
28	Date rights trading will begin (if applicable)	Not applicable
29	Date rights trading will end (if applicable)	Not applicable
30	How do security holders sell their entitlements <i>in full</i> through a broker?	Not applicable
31	How do security holders sell <i>part</i> of their entitlements through a broker and accept for the balance?	Not applicable
32	How do security holders dispose of their entitlements (except by sale through a broker)?	Not applicable
33	+Issue date	Not applicable

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)

+ See chapter 19 for defined terms.

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

Entities that have ticked box 34(b)

- | | | |
|----|---|----------------|
| 38 | Number of +securities for which +quotation is sought | Not applicable |
| 39 | +Class of +securities for which quotation is sought | Not applicable |
| 40 | Do the +securities rank equally in all respects from the +issue date with an existing +class of quoted +securities?

If the additional +securities do not rank equally, please state:
• the date from which they do
• the extent to which they participate for the next dividend, (in the case of a trust, distribution) or interest payment
• the extent to which they do not rank equally, other than in relation to the next dividend, distribution or interest payment | Not applicable |

+ See chapter 19 for defined terms.

41 Reason for request for quotation now
 Example: In the case of restricted securities, end of restriction period
 (if issued upon conversion of another *security, clearly identify that other *security)

Not applicable

42 Number and *class of all *securities quoted on ASX (including the *securities in clause 38)

Number	*Class
Not applicable	Not applicable

+ 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: /s/Natasha Mercer
 Company Secretary

Date: 19 September 2016

Print name: Natasha Mercer.....

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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	
Step 1: Calculate “A”, the base figure from which the placement capacity is calculated	
Insert number of fully paid +ordinary securities on issue 12 months before the +issue date or date of agreement to issue	446,852,607
Add the following: <ul style="list-style-type: none"> • Number of fully paid +ordinary securities issued in that 12 month period under an exception in rule 7.2 • Number of fully paid +ordinary securities issued in that 12 month period with shareholder approval • Number of partly paid +ordinary securities that became fully paid in that 12 month period <p><i>Note:</i></p> <ul style="list-style-type: none"> • <i>Include only ordinary securities here – other classes of equity securities cannot be added</i> • <i>Include here (if applicable) the securities the subject of the Appendix 3B to which this form is annexed</i> • <i>It may be useful to set out issues of securities on different dates as separate line items</i> 	<p style="text-align: right;">1,033,256</p> <p style="text-align: right;">Not applicable</p> <p style="text-align: right;">Not applicable</p>
Subtract the number of fully paid +ordinary securities cancelled during that 12 month period	(1,653,247)
“A”	446,232,616

+ See chapter 19 for defined terms.

04/03/2013

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Step 2: Calculate 15% of “A”	
“B”	0.15 <i>[Note: this value cannot be changed]</i>
Multiply “A” by 0.15	66,934,892
Step 3: Calculate “C”, the amount of placement capacity under rule 7.1 that has already been used	
<p>Insert 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"> Under an exception in rule 7.2 Under rule 7.1A With security holder approval under rule 7.1 or rule 7.4 <p><i>Note:</i></p> <ul style="list-style-type: none"> <i>This applies to equity securities, unless specifically excluded – not just ordinary securities</i> <i>Include here (if applicable) the securities the subject of the Appendix 3B to which this form is annexed</i> <i>It may be useful to set out issues of securities on different dates as separate line items</i> 	327,354
“C”	327,354
Step 4: Subtract “C” from [“A” x “B”] to calculate remaining placement capacity under rule 7.1	
<p>“A” x 0.15</p> <p><i>Note: number must be same as shown in Step 2</i></p>	66,934,892
<p>Subtract “C”</p> <p><i>Note: number must be same as shown in Step 3</i></p>	(327,354)
Total [“A” x 0.15] – “C”	66,607,538 <i>[Note: this is the remaining placement capacity under rule 7.1]</i>

+ See chapter 19 for defined terms.

Part 2

Rule 7.1A – Additional placement capacity for eligible entities

Step 1: Calculate “A”, the base figure from which the placement capacity is calculated

<p>“A”</p> <p><i>Note: number must be same as shown in Step 1 of Part 1</i></p>	Not applicable
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Step 2: Calculate 10% of “A”

<p>“D”</p>	<p>0.10</p> <p><i>Note: this value cannot be changed</i></p>
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Multiply “A” by 0.10

Not applicable

Step 3: Calculate “E”, the amount of placement capacity under rule 7.1A that has already been used

<p>Insert number of +equity securities issued or agreed to be issued in that 12 month period under rule 7.1A</p> <p><i>Notes:</i></p> <ul style="list-style-type: none"> • <i>This applies to equity securities – not just ordinary securities</i> • <i>Include here – if applicable – the securities the subject of the Appendix 3B to which this form is annexed</i> • <i>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</i> • <i>It may be useful to set out issues of securities on different dates as separate line items</i> 	Not applicable
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<p>“E”</p>	Not applicable
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+ See chapter 19 for defined terms.

Step 4: Subtract "E" from ["A" x "D"] to calculate remaining placement capacity under rule 7.1A	
"A" x 0.10 <i>Note: number must be same as shown in Step 2</i>	Not applicable
Subtract "E" <i>Note: number must be same as shown in Step 3</i>	Not applicable
Total ["A" x 0.10] – "E"	Not applicable <i>Note: this is the remaining placement capacity under rule 7.1A</i>

+ See chapter 19 for defined terms.