

**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 August 2017

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;
- statements regarding the possible consequences and/or potential outcome of legal proceedings brought against us and the potential liabilities, if any, associated with such 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 18 May 2017, 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; the continuation or termination of the 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 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 18 September 2017
99.2	Appendix 3B 19 September 2017
99.3	Substantial Shareholder Notification

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: 22 September 2017

James Hardie Industries plc

By: /s/ Natasha Mercer

Natasha Mercer

Company Secretary

EXHIBIT INDEX

<u>Exhibit No.</u>	<u>Description</u>
<u>99.1</u>	Appendix 3B 18 September 2017
<u>99.2</u>	Appendix 3B 19 September 2017
<u>99.3</u>	Substantial Shareholder Notification

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/CDIs 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: 221,042 ordinary shares/CDIs.
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: 221,042 ordinary shares/CDIs issued on vesting of RSUs.

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

4	<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 	<p>Yes, ordinary shares/CDIs issued on vesting of RSUs rank equally with issued ordinary shares/CDIs.</p>
5	<p>Issue price or consideration</p>	<p>Vesting of RSUs: 221,042. No amount payable.</p>
6	<p>Purpose of the issue (If issued as consideration for the acquisition of assets, clearly identify those assets)</p>	<p>Vesting of RSUs: 221,042 RSUs vesting pursuant to the James Hardie Industries Long Term Incentive Plan 2006 (2006 Plan).</p>
6a	<p>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>
6b	<p>The date the security holder resolution under rule 7.1A was passed</p>	<p>Not applicable</p>
6c	<p>Number of *securities issued without security holder approval under rule 7.1</p>	<p>0</p>
6d	<p>Number of *securities issued with security holder approval under rule 7.1A</p>	<p>Not applicable</p>

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

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	221,042	
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	65,851,964 (Annexure 1 attached)	
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.	18 September 2017	
8	Number and *class of all *securities quoted on ASX (including the *securities in section 2 if applicable)	Number	*Class
		441,117,337	Ordinary shares/CDIs

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

	Number	+Class
9 Number and +class of all +securities not quoted on ASX (including the +securities in section 2 if applicable)	12,489 (equivalent to 12,489 CDIs) 581,743 (equivalent to 581,743 CDIs) 3,766,745 (equivalent to 3,766,745 CDIs) 165,040 2006 Plan RSUs have been cancelled. 5,310 2001 Plan RSUs have been cancelled. No 2001 Plan stock options have been cancelled.	2001 Plan Options 2001 Plan RSUs 2006 Plan RSUs
10 Dividend policy (in the case of a trust, distribution policy) on the increased capital (interests)	Ordinary shares/CDIs issued on vesting of RSUs rank for dividends equally with issued ordinary shares/CDIs.	

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

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

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
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

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

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

+ See chapter 19 for defined terms.

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

+ See chapter 19 for defined terms.

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

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

	Number	*Class
42 Number and *class of all *securities quoted on ASX (including the *securities in clause 38)	Not applicable	Not applicable

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

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: 18 September 2017

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	
<i>Insert</i> number of fully paid +ordinary securities on issue 12 months before the +issue date or date of agreement to issue	446,039,721
<p>Add the following:</p> <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;">1,167,749</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	(6,090,133)
“A”	441,117,337

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

Step 2: Calculate 15% of "A"	
"B"	0.15 <i>[Note: this value cannot be changed]</i>
Multiply "A" by 0.15	66,167,600
Step 3: Calculate "C", the amount of placement capacity under rule 7.1 that has already been used	
Insert number of *equity securities issued or agreed to be issued in that 12 month period <i>not counting</i> those issued: <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 Note: <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> 	315,636
"C"	315,636
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>	66,167,600
Subtract "C" <i>Note: number must be same as shown in Step 3</i>	(315,636)
Total ["A" x 0.15] – "C"	65,851,964 <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
Step 2: Calculate 10% of “A”	
<p>“D”</p>	<p>0.10</p> <p><i>Note: this value cannot be changed</i></p>
<p>Multiply “A” by 0.10</p>	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.

Appendix 3B
New issue announcement

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	Ordinary shares/CDIs 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: 156,812 ordinary shares/CDIs.
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: 156,812 ordinary shares/CDIs issued on vesting of RSUs.

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

4	<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 	<p>Yes, ordinary shares/CDIs issued on vesting of RSUs rank equally with issued ordinary shares/CDIs</p>
5	Issue price or consideration	Vesting of RSUs: 156,812. No amount payable.
6	<p>Purpose of the issue</p> <p>(If issued as consideration for the acquisition of assets, clearly identify those assets)</p>	<p>Vesting of RSUs: 156,812 RSUs vesting pursuant to the James Hardie Industries Long Term Incentive Plan 2006 (2006 Plan).</p>
6a	<p>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>
6b	The date the security holder resolution under rule 7.1A was passed	Not applicable
6c	Number of *securities issued without security holder approval under rule 7.1	0
6d	Number of *securities issued with security holder approval under rule 7.1A	Not applicable

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

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	156,812	
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	65,875,486 (Annexure 1 attached)	
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.	19 September 2017	
8	Number and +class of all +securities quoted on ASX (including the +securities in section 2 if applicable)	Number	+Class
		441,274,149	Ordinary shares/CUFS

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

		Number	+Class
9	Number and +class of all +securities not quoted on ASX (including the +securities in section 2 if applicable)	12,489 (equivalent to 12,489 CDIs) 577,467 (equivalent to 577,467 CDIs) 3,609,933 (equivalent to 3,609,933 CDIs)	2001 Plan Options 2001 Plan RSUs 2006 Plan RSUs
		No 2006 Plan RSUs have been cancelled.	
		4,276 2001 Plan RSUs have been cancelled.	
		No 2001 Plan stock options have been cancelled.	
10	Dividend policy (in the case of a trust, distribution policy) on the increased capital (interests)	Ordinary shares/CDIs issued on vesting of RSUs rank for dividends equally with issued ordinary shares/CDIs	

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

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

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
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

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

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

+ See chapter 19 for defined terms.

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

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

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?
 Not applicable

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

41 Reason for request for quotation now Not applicable

Example: In the case of restricted securities, end of restriction period

(if issued upon conversion of another +security, clearly identify that other +security)

		Number	+Class
42	Number and +class of all +securities quoted on ASX (including the +securities in clause 38)	Not applicable	Not applicable

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

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 2017

Print name: Natasha Mercer

== == == == ==

+ 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	
<i>Insert</i> number of fully paid *ordinary securities on issue 12 months before the *issue date or date of agreement to issue	446,232,616
<p>Add the following:</p> <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;">1,131,666</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	(6,090,133)
“A”	441,274,149

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

Step 2: Calculate 15% of "A"	
"B"	0.15 <i>[Note: this value cannot be changed]</i>
Multiply "A" by 0.15	66,191,122
Step 3: Calculate "C", the amount of placement capacity under rule 7.1 that has already been used	
Insert number of *equity securities issued or agreed to be issued in that 12 month period <i>not counting</i> those issued: <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 <i>Note:</i> <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> 	315,636
"C"	315,636
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>	66,191,122
Subtract "C" <i>Note: number must be same as shown in Step 3</i>	(315,636)
Total ["A" x 0.15] – "C"	65,875,486 <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	
“A” <i>Note: number must be same as shown in Step 1 of Part 1</i>	Not applicable
Step 2: Calculate 10% of “A”	
“D”	0.10 <i>Note: this value cannot be changed</i>
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
“E”	Not applicable

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

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

+ See chapter 19 for defined terms.



James Hardie Industries plc
Europa House 2nd Floor,
Harcourt Centre
Harcourt Street, Dublin 2, Ireland

T: +353 (0) 1 411 6924
F: +353 (0) 1 479 1128

20 September 2017

The Manager
Company Announcements Office
Australian Securities Exchange Limited
20 Bridge Street
SYDNEY NSW 2000

Dear Sir/Madam

Substantial Holding Notice

As required under ASX Listing Rule 3.17.3 please see attached a copy of the substantial holding notice received by James Hardie on 19 September 2017.

Yours faithfully

Natasha Mercer
Company Secretary

James Hardie Industries plc is a limited liability company incorporated in Ireland with its registered office at Europa House, Harcourt Centre, Harcourt Street, Dublin 2, Ireland.

Directors: Michael Hammes (Chairman, USA), Brian Anderson (USA), Russell Chenu (Australia), Andrea Gisle Joosen (Sweden), David Harrison (USA), Alison Littlely (United Kingdom), Steven Simms (USA), Rudy van der Meer (Netherlands).

Chief Executive Officer and Director: Louis Gries (USA)

Company number: 485719

ARBN: 097 829 895

STANDARD FORM TR-1
VOTING RIGHTS ATTACHED TO SHARES– ARTICLE 12(1) OF DIRECTIVE 2004/109/EC
FINANCIAL INSTRUMENTS – ARTICLE 11(3) OF THE COMMISSION DIRECTIVE 2007/14/EC

1. Identity of the issuer or the underlying issuer of existing shares to which voting rights are attachedⁱⁱ: James Hardie Industries PLC
2. Reason for the notification (please tick the appropriate box or boxes):
 - an acquisition or disposal of voting rights
 - an acquisition or disposal of financial instruments which may result in the acquisition of shares already issued to which voting rights are attached
 - an event changing the breakdown of voting rights
 - other
3. Full name of person(s) subject to the notification obligationⁱⁱⁱ: FMR LLC
4. Full name of shareholder(s) (if different from 3.)^{iv}:
5. Date of the transaction and date on which the threshold is crossed or reached^v: 15 September 2017
6. Date on which issuer notified: 19 September 2017
7. Threshold(s) that is/are crossed or reached: 6%
8. Notified details:

A) Voting rights attached to shares							
Class/type of shares (if possible using the ISIN CODE)	Situation previous to the Triggering transaction ^{vi}		Resulting situation after the triggering transaction ^{vii}				
	Number of Shares ^{viii}	Number of Voting rights ^{ix}	Number of shares ^x	Number of voting rights ^{xi}		% of voting rights	
			Indirect	Direct ^{xii}	Indirect ^{xiii}	Direct	Indirect
AU000000JHX1	25,584,251	25,584,251	26,784,251		26,784,251		6.07%
SUBTOTAL A (based on aggregate voting rights)	25,584,251	25,584,251	26,784,251	26,784,251		6.07%	

Notes to Form TR-1

ⁱ This form is to be sent to the issuer or underlying issuer and to be filed with the competent authority.

ⁱⁱ Either the full name of the legal entity or another method for identifying the issuer or underlying issuer, provided it is reliable and accurate.

ⁱⁱⁱ This should be the full name of (a) the shareholder; (b) the natural person or legal entity acquiring, disposing of or exercising voting rights in the cases provided for in Article 10 (b) to (h) of Directive 2004/109/EC; (c) all the parties to the agreement referred to in Article 10 (a) of that Directive, or (d) the holder of financial instruments entitled to acquire shares already issued to which voting rights are attached, as appropriate.

In relation to the transactions referred to in points (b) to (h) of Article 10 of that Directive, the following list is provided as indication of the persons who should be mentioned:

- in the circumstances foreseen in letter (b) of Article 10 of that Directive, the natural person or legal entity that acquires the voting rights and is entitled to exercise them under the agreement and the natural person or legal entity who is transferring temporarily for consideration the voting rights;

- in the circumstances foreseen in letter (c) of Article 10 of that Directive, the natural person or legal entity holding the collateral, provided the person or entity controls the voting rights and declares its intention of exercising them, and natural person or legal entity lodging the collateral under these conditions;

- in the circumstances foreseen in letter (d) of Article 10 of that Directive, the natural person or legal entity who has a life interest in shares if that person or entity is entitled to exercise the voting rights attached to the shares and the natural person or legal entity who is disposing of the voting rights when the life interest is created;

- in the circumstances foreseen in letter (e) of Article 10 of that Directive, the controlling natural person or legal entity and, provided it has a notification duty at an individual level under Article 9, under letters (a) to (d) of Article 10 of that Directive or under a combination of any of those situations, the controlled undertaking;

- in the circumstances foreseen in letter (f) of Article 10 of that Directive, the deposit taker of the shares, if he can exercise the voting rights attached to the shares deposited with him at his discretion, and the depositor of the shares allowing the deposit taker to exercise the voting rights at his discretion;

- in the circumstances foreseen in letter (g) of Article 10 of that Directive, the natural person or legal entity that controls the voting rights;

- in the circumstances foreseen in letter (h) of Article 10 of that Directive, the proxy holder, if he can exercise the voting rights at his discretion, and the shareholder who has given his proxy to the proxy holder allowing the latter to exercise the voting rights at his discretion.

^{iv} Applicable in the cases provided for in Article 10 (b) to (h) of Directive 2004/109/EC. This should be the full name of the shareholder who is the counterparty to the natural person or legal entity referred to in Article 10 of that Directive unless the holdings of the shareholder would be lower than 5% of the total number of voting rights.

^v The date of the transaction should normally be, in the case of an on exchange transaction, the date on which the matching of orders occurs; in the case of an off exchange transaction, date of the entering into an agreement.

The date on which threshold is crossed should normally be the date on which the acquisition, disposal or possibility to exercise voting rights takes effect. For passive crossings, the date when the corporate event took effect.

^{vi} Please refer to the situation disclosed in the previous notification. In case the situation previous to the triggering transaction was below 3%, please state "below 3%".

^{vii} If the holding has fallen below the minimum threshold, the notifying party should not be obliged to disclose the extent of the holding, only that the new holding is below 3%.

For the case provided for in Article 10(a) of Directive 2004/109/EC, there should be no disclosure of individual holdings per party to the agreement unless a party individually crosses or reaches an Article 9 threshold. This applies upon entering into, introducing changes to or terminating an agreement.

^{viii} To be used in Member States where applicable.

^{ix} Direct and indirect.

^x To be used in Member States where applicable.

^{xi} In case of combined holdings of shares with voting rights attached "direct holding" and voting rights "indirect holding", please split the voting rights number and percentage into the direct and indirect columns – if there is no combined holdings, please leave the relevant box blank.

^{xii} Voting rights attached to shares held by the notifying party (Article 9 of Directive 2004/109/EC).

^{xiii} Voting rights held by the notifying party independently of any holding of shares (Article 10 of Directive 2004/109/EC).

^{xiv} If the holding has fallen below the minimum threshold, the notifying party should not be obliged to disclose the extent of the holding, only that the new holding is below 3%.

^{xv} Date of maturity/expiration of the financial instrument i.e. the date when right to acquire shares ends.

^{xvi} If the financial instrument has such a period – please specify this period – for example once every 3 months starting from [date].

^{xvii} The notification should include the name(s) of the controlled undertakings through which the voting rights are held. The notification should also include the amount of voting rights and the percentage held by each controlled undertaking, insofar as individually the controlled undertaking holds 3% or more, and insofar as the notification by the parent undertaking is intended to cover the notification obligations of the controlled undertaking.
