

**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	James Hardie - Accelerated Buyback Announcement
99.2	Appendix 3C 5 September 2016
99.3	Appendix 3B 2 September 2016
99.4	Appendix 3E 2 September 2016
99.5	Appendix 3E 5 September 2016

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: 6 September 2016

James Hardie Industries plc

By: /s/ Natasha Mercer

Natasha Mercer
Company Secretary

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99.5	Appendix 3E 5 September 2016

Media Release



For analyst and media enquiries, please contact Sean O'Sullivan on +61 2 8845 3352 or Laura Vize on +61 8845 3353

5 September 2016

James Hardie Industries plc Announces USD \$35 Million Accelerated Share Repurchase Transaction

James Hardie Industries plc ("James Hardie"), (ASX:JHX) today announced that it has entered into an accelerated share repurchase agreement with Goldman Sachs Financial Markets Pty Limited ("Goldman Sachs") to repurchase 2,162,696 James Hardie shares/CUFS with an approximate value of USD \$35 million. This transaction is part of James Hardie's existing USD \$100 million share repurchase authorization referred to in James Hardie's annual results announcement released on 19 May 2016 and the Appendix 3C lodged with ASX on 1 August 2016.

Under the terms of the agreement, Goldman Sachs will deliver to James Hardie 2,162,696 James Hardie shares/CUFS for an initial payment of USD \$35 million. The shares/CUFS will be delivered in full by Goldman Sachs to James Hardie two trading days after the trade date. The initial payment of USD \$35 million is based on a share/CUFS price of A\$21.37 per share/CUFS translated to USD at an AUD/USD exchange rate as of the trade date and is subject to adjustment as detailed further below.

The final price to be paid by James Hardie will be determined based on the average daily volume weighted average price of James Hardie's shares/CUFS in the ordinary course of ASX trading over an agreed reference period, plus an agreed upon premium, and subject to further adjustments pursuant to the terms of the agreement. The reference period will run for between 8 and 17 trading days commencing on 5 September 2016 and (unless Goldman Sachs elects to exercise its discretion to end the reference period earlier) ending on 27 September 2016. The final price is subject to an agreed cap of A\$25.64 per share/CUFS and a floor of A\$17.10 per share/CUFS.

Once the final price is determined, there will be a final adjustment and settlement between the parties either in cash or shares, at James Hardie's election. As such, Goldman Sachs may be required to pay a cash amount or deliver additional shares to James Hardie. Conversely, James Hardie may be required to pay a cash amount or (at its election) deliver shares, to Goldman Sachs. The final settlement payment under the agreement is expected to occur during the second quarter of FY2017.

A further announcement will be made and an Appendix 3F lodged following final settlement of the transaction. This announcement will include confirmation of the final reference period, the final price per share/CUFS paid by James Hardie and the amount of any final cash or share adjustment. In the event that James Hardie is required to make a payment to Goldman Sachs and determines to satisfy that payment obligation through the delivery of James Hardie shares, the number of shares/CUFS so delivered would be calculated by reference to the final price per share/CUFS as described above and constitute fully paid ordinary shares/CUFS ranking equally with all existing

shares/CUFS and be issued without shareholder approval. Based on the capped price per share/CUFS and using the AUD/USD exchange rate as of the trade date, the maximum number of shares to be delivered by James Hardie would be 360,449 (being 16.7% of the shares initially delivered by Goldman Sachs). In that case James Hardie would lodge an Appendix 3B and also confirm the final net number of shares acquired by it through the transaction.

END

Media / Analyst Enquiries

Sean O'Sullivan
Vice President, Investor & Media Relations

Phone: + 61 2 8845 3352
Email: investor.relations@jameshardie.com.au

Forward Looking Statements

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- 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.

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Appendix 3C

Announcement of buy-back (except minimum holding buy-back)

Information and documents given to ASX become ASX's property and may be made public.

Introduced 1/9/99. Origin: Appendix 7B. Amended 13/3/2000, 30/9/2001, 11/01/10

Name of entity

ABN/ARSN

James Hardie Industries plc

097 829 895

We (the entity) give ASX the following information.

Information about buy-back

1	Type of buy-back	Selective
2	+Class of shares/units which is the subject of the buy-back (eg, ordinary/preference)	Ordinary shares / CUFS
3	Voting rights (eg, one for one)	One for one
4	Fully paid/partly paid (and if partly paid, details of how much has been paid and how much is outstanding)	Fully paid
5	Number of shares/units in the +class on issue	445,608,685
6	Whether shareholder/unitholder approval is required for buy-back	Not required
7	Reason for buy-back	Ongoing capital management programme as announced to the ASX on 19 May 2016. Shares/CUFS acquired pursuant to this transaction form part of the USD 100 million purchase authorisation referred to in the Appendix 3C dated 1 August 2016.

Appendix 3C
Announcement of buy-back

8 Any other information material to a shareholder's/unitholder's decision whether to accept the offer (eg, details of any proposed takeover bid)

Not applicable

On-market buy-back

9 Name of broker who will act on the company's behalf

Not applicable

10 Deleted 30/9/2001.

11 If the company/trust intends to buy back a maximum number of shares - that number

Note: This requires a figure to be included, not a percentage.

Not applicable

12 If the company/trust intends to buy back shares/units within a period of time - that period of time; if the company/trust intends that the buy-back be of unlimited duration - that intention

Not applicable

13 If the company/trust intends to buy back shares/units if conditions are met - those conditions

Not applicable

Employee share scheme buy-back

14 Number of shares proposed to be bought back

Not applicable

15 Price to be offered for shares

Not applicable

+ See chapter 19 for defined terms.

Selective buy-back

16	Name of person or description of class of person whose shares are proposed to be bought back	See announcement dated 5 September 2016.
17	Number of shares proposed to be bought back	2,162,696, subject to adjustment as described in the announcement dated 5 September 2016.
18	Price to be offered for shares	Refer to announcement dated 5 September 2016

Equal access scheme

19	Percentage of shares proposed to be bought back	Not applicable
20	Total number of shares proposed to be bought back if all offers are accepted	Not applicable
21	Price to be offered for shares	Not applicable
22	+Record date for participation in offer <small>Cross reference: Appendix 7A, clause 9.</small>	Not applicable

Compliance statement

1. The company is in compliance with all Corporations Act requirements relevant to this buy-back.

or, for trusts only:

1. The trust is in compliance with all requirements of the Corporations Act as modified by Class Order 07/422, and of the trust's constitution, relevant to this buy-back.
2. There is no information that the listing rules require to be disclosed that has not already been disclosed, or is not contained in, or attached to, this form.

Sign here: /s/ Natasha Mercer
(Company secretary)

Date: 5 September 2016

Print name: Natasha Mercer

+ 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/CUFS issued on exercise of stock options.
2	Number of +securities issued or to be issued (if known) or maximum number which may be issued	3,591 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)	Ordinary shares/CUFS issued on exercise of options, as follows: · 3,591 at \$6.38 with expiry date of 10 December 2017

+ 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, rank equally with issued ordinary shares/CUFS.</p>
<p>5 Issue price or consideration</p>	<p>Allotment of ordinary shares/CUFS on exercise of options:</p> <p>3,591 at \$6.38</p>
<p>6 Purpose of the issue (If issued as consideration for the acquisition of assets, clearly identify those assets)</p>	<p>Exercise of stock options issued 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>3,591</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	Not applicable									
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	66,514,487 (Annexure 1 attached)									
7	<p>+Issue dates</p> <p><small>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.</small></p> <p><small>Cross reference: item 33 of Appendix 3B.</small></p>	2 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%;"> <thead> <tr> <th style="text-align: left;">Number</th> <th style="text-align: left;">+Class</th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;">445,612,276</td> <td style="vertical-align: top;">Ordinary shares/CUFS</td> </tr> </tbody> </table>	Number	+Class	445,612,276	Ordinary shares/CUFS	<table border="1" style="width: 100%;"> <thead> <tr> <th style="text-align: left;">Number</th> <th style="text-align: left;">+Class</th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;">445,612,276</td> <td style="vertical-align: top;">Ordinary shares/CUFS</td> </tr> </tbody> </table>	Number	+Class	445,612,276	Ordinary shares/CUFS
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Number	+Class										
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+ 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) 75,592 629,212 3,264,481 31,810 2001 Plan RSUs have been cancelled. No 2006 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/CUFS issued on exercise of stock options 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

+ See chapter 19 for defined terms.

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
29	Date rights trading will end (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

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

+ See chapter 19 for defined terms.

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

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

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

	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.

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: 2 September 2016

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	
Insert number of fully paid +ordinary securities on issue 12 months before the +issue date or date of agreement to issue	445,833,736
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;">1,431,787</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”	445,612,276

+ See chapter 19 for defined terms.

Step 2: Calculate 15% of "A"	
"B"	0.15 <i>[Note: this value cannot be changed]</i>
Multiply "A" by 0.15	66,841,841
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>Note:</p> <ul style="list-style-type: none"> • This applies to equity securities, unless specifically excluded – not just ordinary securities • Include here (if applicable) the securities the subject of the Appendix 3B to which this form is annexed • It may be useful to set out issues of securities on different dates as separate line items 	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>	66,841,841
Subtract "C" <i>Note: number must be same as shown in Step 3</i>	(327,354)
Total ["A" x 0.15] – "C"	66,514,487 <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	
Insert number of +equity securities issued or agreed to be issued in that 12 month period under rule 7.1A Notes: <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.

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 3E

Daily share buy-back notice (except minimum holding buy-back and selective buy-back)

Information and documents given to ASX become ASX's property and may be made public.

Name of entity James Hardie Industries plc	ABN/ARSN 097 829 895
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We (the entity) give ASX the following information.

Information about buy-back

1	Type of buy-back	On-market buy-back
2	Date Appendix 3C was given to ASX	1 August 2016

Total of all shares/units bought back, or in relation to which acceptances have been received, before, and on, previous day

	Before previous day	Previous day	
3	Number of shares/units bought back or if buy-back is an equal access scheme, in relation to which acceptances have been received	2,744,208	178,096
4	Total consideration paid or payable for the shares/units	\$61,090,692	\$3,881,905

Appendix 3E
Daily share buy-back notice

	Before previous day	Previous day
5 If buy-back is an on-market buy-back	Highest price paid: A\$22.75 Lowest price paid: A\$21.63	Highest price paid: A\$21.98 Lowest price paid: A\$21.61 Highest price allowed under rule 7.33: A\$23.3432

How many shares/units may still be bought back?

6 If the company/trust has disclosed an intention to buy back a maximum number of shares/units – the remaining number of shares/units to be bought back

3,167,829 ordinary shares/CUFS The company intends to buy ordinary shares/CUF with an aggregate value of up to US\$100 million. The remaining shares to be bought back is based on the maximum number of 6,090,133 ordinary shares/CUFS calculated in the Appendix 3C released on the 1st August 2016. The final maximum number of shares/CUFS will depend upon market price and exchange rate movements over the buyback period.

Compliance statement

1. The company is in compliance with all Corporations Act requirements relevant to this buy-back.
2. There is no information that the listing rules require to be disclosed that has not already been disclosed, or is not contained in, or attached to, this form.

Sign here: /s/ Natasha Mercer
(Company Secretary)

Date: 2 September 2016

Print name: Natasha Mercer

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Appendix 3E

Daily share buy-back notice (except minimum holding buy-back and selective buy-back)

Information and documents given to ASX become ASX's property and may be made public.

Name of entity	ABN/ARSN
James Hardie Industries plc	097 829 895

We (the entity) give ASX the following information.

Information about buy-back

1	Type of buy-back	On-market buy-back
2	Date Appendix 3C was given to ASX	1 August 2016

Total of all shares/units bought back, or in relation to which acceptances have been received, before, and on, previous day

	Before previous day	Previous day	
3	Number of shares/units bought back or if buy-back is an equal access scheme, in relation to which acceptances have been received	2,922,304	285,765
4	Total consideration paid or payable for the shares/units	\$64,972,597	\$6,130,317

Appendix 3E
Daily share buy-back notice

	Before previous day	Previous day
5 If buy-back is an on-market buy-back	Highest price paid: A\$22.75 Lowest price paid: A\$21.61	Highest price paid: A\$21.935 Lowest price paid: A\$21.35 Highest price allowed under rule 7.33: A\$23.2103

How many shares/units may still be bought back?

6 If the company/trust has disclosed an intention to buy back a maximum number of shares/units – the remaining number of shares/units to be bought back	2,882,064 ordinary shares/CUFS The company intends to buy ordinary shares/CUF with an aggregate value of up to US\$100 million. The remaining shares to be bought back is based on the maximum number of 6,090,133 ordinary shares/CUFS calculated in the Appendix 3C released on the 1st August 2016. The final maximum number of shares/CUFS will depend upon market price and exchange rate movements over the buyback period.
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Compliance statement

1. The company is in compliance with all Corporations Act requirements relevant to this buy-back.
2. There is no information that the listing rules require to be disclosed that has not already been disclosed, or is not contained in, or attached to, this form.

Sign here: /s/ Natasha Mercer
(Company Secretary)

Date: 5 September 2016

Print name: Natasha Mercer

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