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 buybacks;
- 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 customer

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

Exhibit No. Description

99.1 Appendix 3B 22 August 17 99.2 Appendix 3Z 22 August 17

SIGNATURES

28 August, 2017

Date:

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.

James Hardie Industries plc

By: /s/ Natasha Mercer

Natasha Mercer Company Secretary

EXHIBIT INDEX

Exhibit No.Description99.1Appendix 3B 22 August 1799.2Appendix 3Z 22 August 17

Rule 2.7, 3.10.3, 3.10.4, 3.10.5

Appendix 3B

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

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

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

Name of	entity	
James I	Hardie Industries plc	
ABN		
	9 895 Incorporated in Ireland. The liability of members is limited	l.
Ne (the	entity) give ASX the following information.	
	All issues complete the relevant sections (attach sheets if there is not enough	space).
1	+Class of +securities issued or to be issued	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.
2	Number of +securities issued or to be issued (if known) or maximum number which may be issued	RSUs granted on 21 August 2017 (US time): 1,447,642.
See cha	pter 19 for defined terms.	
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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 granted: Two separate tranches granted, as follows:

- 515,249 ROCE RSUs, which will vest between 3 and 5 years from the date of grant depending on JHIplc's ROCE performance and negative discretion applied by the Remuneration Committee; and
- 932,393 Relative TSR RSUs, which will vest between 3 and 5 years from the date of grant depending on JHIplc's TSR performance relative to its peer group.

Upon vesting, the holder of an RSU will be entitled to be issued one ordinary share/CUFS for each RSU held.

Do the +securities rank equally in all respects from the +issue date with an existing +class of quoted +securities?

RSUs granted: 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

5 Issue price or consideration

RSUs granted: 1,447,642. No cash consideration was paid.

6 Purpose of the issue

(If issued as consideration for the acquisition of assets, clearly identify those assets)

RSUs granted:

- Grant of 515,249 ROCE RSUs, under the 2006 LTI Plan as part of the LTI received by senior executives for FY18; and
- Grant of 932,393 Relative TSR RSUs, under the 2006 LTI Plan as part of the LTI received by senior executives for FY18.

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⁺ See chapter 19 for defined terms.

Appendix 3B		
New issue announcement		

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6a	Is the entity an +eligible entity that has obtained security holder approval under rule 7.1A?	No. Equity securities issued under the 2001 Plan are no longer the subject of security holder approval.
	If Yes, complete sections 6b – 6h <i>in relation to the</i> +securities the subject of this Appendix 3B, and comply with section 6i	
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
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	RSUs granted: 1,447,642.
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.	
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	
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	65,818,808 (Annexure 1 attached)
ee chapte	r 19 for defined terms.	

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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.	22 August 2017	
		Number	
8		440,896,295	+Class Ordinary shares/CUFS
		Number	+Class
9	Number and +class of all +securities not quoted on A (including the +securities in section 2 if applicable)	SX 12,489	2001 Plan Options
	(including the +securities in section 2 if applicable)	587,053	2001 Plan RSUs
		4,152,827	2006 Plan RSUs
		No 2006 Plan RSUs hav cancelled.	ve been
		8,128 2001 Plan RSUs I cancelled.	have been
		No 2001 Plan stock opticancelled.	ons have been
10	Dividend policy (in the case of a trust, distribution polion the increased capital (interests)	cy) Ordinary shares/CUFS issued ordinary shares/C	issued on vesting of RSUs rank for dividends equally CUFS.
Part 2	Pro rata issue		
11	Is security holder approval required?	Not applicable	
12	Is the issue renounceable or non-renounceable?	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	Not applicable
	Note: Security holders must be told how their entitlements are to be dealt with. Cross reference: rule 7.7.	
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

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⁺ See chapter 19 for defined terms.

New issu	e announcement	
27	If the entity has issued options, and the terms entitle option holders to participate on exercise, the date on	Not applicable
	which notices will be sent to option holders	
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 in	Not applicable
	full through a broker?	
31		Not applicable
31	How do security holders sell <i>part</i> of their entitlements through a broker and accept for the balance?	inot applicable
32	How do security holders dispose of their entitlements	Not applicable
	(except by sale through a broker)?	
33		Not applicable
55	+Issue date	inot applicable
	Quotation of securities nly complete this section if you are applying for quotation of security	rities
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, prexity or conversion of convertible securities	artly paid securities that become fully paid, employee incentive share securities when restriction ends, securities issued on
Entities	that have ticked box 34(a)	
Addition	al securities forming a new class of securities	
+ See chant	ter 19 for defined terms.	
•	B Page 6 04/03/2013	
The survey of		

Appendix 3B

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Tick to indicate you are providing the information or documents

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

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.

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+ See chapter 19 for defined terms.

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

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.
- 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.
- 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.
- 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 Date: 22 August 2017

Company Secretary

Print Natasha Mercer

name:

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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	
Add the following:	
 Number of fully paid +ordinary securities issued in that 12 month period under an exception in rule 7.2 	1,383,987
 Number of fully paid +ordinary securities issued in that 12 month period with shareholder approval 	Not applicable
 Number of partly paid +ordinary securities that became fully paid in that 12 month period 	
Note:	Not applicable
 Include only ordinary securities here – other classes of equity securities cannot be added 	
 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 	
Subtract the number of fully paid +ordinary securities cancelled during that 12 month period	(6,090,133)
"A"	440,896,295

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⁺ See chapter 19 for defined terms.

Step 2: Calculate 15% of "A"	
"B"	0.15
	[Note: this value cannot be changed]
Multiply "A" by 0.15	66,134,444
Step 3: Calculate "C", the amount of placement capacity	r under rule 7.1 that has already been used
<i>Insert</i> number of ₊equity securities issued or agreed to be issued in that 12 month period <i>not counting</i> those issued:	315,636
Under an exception in rule 7.2	
• Under rule 7.1A	
With security holder approval under rule 7.1 or rule 7.4	
Note:	
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	
"C"	315,636
Step 4: Subtract "C" from ["A" x "B"] to calculate remain	ning placement capacity under rule 7.1
"A" x 0.15	66,134,444
Note: number must be same as shown in Step 2	
Subtract "C"	(315,636)
Note: number must be same as shown in Step 3	
<i>Total</i> ["A" x 0.15] – "C"	65,818,808
	[Note: this is the remaining placement capacity under rule 7.1]

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⁺ 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		
Note: number must be same as shown in Step 1 of Part 1		
Step 2: Calculate 10% of "A"	,	
"D"	0.10	
	Note: this value cannot be changed	
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	
<i>Insert</i> number of -equity securities issued or agreed to be issued in that 12 month period under rule 7.1A	Not applicable	
Notes:		
This applies to equity securities – not just ordinary securities		
• Include here – if applicable – the securities the subject of the Appendix 3B to which this form is annexed		
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		
It may be useful to set out issues of securities on different dates as separate line items		
"E"	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	Not applicable	
Note: number must be same as shown in Step 2		
Subtract "E"	Not applicable	
Note: number must be same as shown in Step 3		
<i>Total</i> ["A" × 0.10] – "E"	Not applicable	
	Note: this is the remaining placement capacity under rule 7.1A	

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⁺ See chapter 19 for defined terms.

Final Director's Interest Notice

Rule 3.19A.3

Appendix 3Z

Final Director's Interest Notice

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 30/9/2001.

Name of entity James Hardie Industries plc	
ABN 097 829 895	

We (the entity) give ASX the following information under listing rule 3.19A.3 and as agent for the director for the purposes of section 205G of the Corporations Act.

Name of director	James OSBORNE
Date of last notice	13 February 2017
Date that director ceased to be director	17 August 2017

Part 1 - Director's relevant interests in securities of which the director is the registered holder

In the case of a trust, this includes interests in the trust made available by the responsible entity of the trust

Note: In the case of a company, interests which come within paragraph (i) of the definition of "notifiable interest of a director" should be disclosed in this part.

Number & class of securities 2,551 ordinary shares/CUFS registered in the name of the James R Osborne.

+ See chapter 19 for defined terms.

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Final Director's Interest Notice

Part 2 – Director's relevant interests in securities of which the director is not the registered holder

Note: In the case of a company, interests which come within paragraph (ii) of the definition of "notifiable interest of a director" should be disclosed in this part.

In the case of a trust, this includes interests in the trust made available by the responsible entity of the trust

Name of holder & nature of interest Note: Provide details of the circumstances giving rise to the relevant interest	Number & class of securities
	20,000 ordinary shares/CUFS registered in the name of Aurum Nominees Limited and held on behalf of James R. Osborne as beneficial owner.

Part 3 – Director's interests in contracts

Detail of contract	Not applicable
Nature of interest	Nil
Name of registered holder	Not applicable
(if issued securities)	
No. and class of securities to which interest relates	Nil

⁺ See chapter 19 for defined terms.

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