

**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 2014

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 6K contains forward-looking statements. James Hardie may from time to time make forward-looking statements in its periodic reports filed with or furnished to the SEC, 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 the legal proceedings brought against two of the company's subsidiaries by the New Zealand Ministry of Education and the potential product 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 indemnification obligations;
- 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 26 June 2014, 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 James Hardie 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; the effect of the transfer of the company's corporate domicile from The Netherlands to Ireland, including changes in corporate governance and any potential tax benefits related thereto; currency exchange risks; dependence on customer preference and the concentration of the company's customer base on large format retail customers, distributors and dealers;

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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 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 – 22 August 2014
99.2	Appendix 3X – Chenu 19 August 2014
99.3	ASX Letter – S8 Registration Statement
99.4	S8 Registration Statement

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: 25 August 2014

James Hardie Industries plc

By: /s/ Joe Blasko

Joe Blasko
General Counsel

EXHIBIT INDEX

<u>Exhibit No.</u>	<u>Description</u>
99.1	Appendix 3B – 22 August 2014
99.2	Appendix 3X – Chenu 19 August 2014
99.3	ASX Letter – S8 Registration Statement
99.4	S8 Registration Statement

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
2	Number of +securities issued or to be issued (if known) or maximum number which may be issued	8,200 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)	8,200 ordinary shares/CUFS issued on exercise of options

+ See chapter 19 for defined terms.

04/03/2013

Appendix 3B Page 1

Appendix 3B
New issue announcement

4	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: <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	Yes, rank equally with issued ordinary shares/CUFS
5	Issue price or consideration	Allotment of ordinary shares/CUFS on exercise of options: 8,200 at \$8.40
6	Purpose of the issue (If issued as consideration for the acquisition of assets, clearly identify those assets)	Exercise of options
6a	Is the entity an +eligible entity that has obtained security holder approval under rule 7.1A? If Yes, complete sections 6b – 6h <i>in relation to the +securities the subject of this Appendix 3B</i> , and comply with section 6i	No
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	Not applicable

+ See chapter 19 for defined terms.

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	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	Not applicable					
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>	22 August 2014					
8	Number and *class of all *securities quoted on ASX (including the *securities in section 2 if applicable)	<table border="1" style="width: 100%;"> <tr> <th style="text-align: left;">Number</th> <th style="text-align: left;">*Class</th> </tr> <tr> <td style="text-align: center;">444,875,263</td> <td style="text-align: center;">Ordinary shares/CUFS</td> </tr> </table>	Number	*Class	444,875,263	Ordinary shares/CUFS	
Number	*Class						
444,875,263	Ordinary shares/CUFS						

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

9	Number and +class of all +securities not quoted on ASX (including the +securities in section 2 if applicable)	Number	+Class
		708,174 3,636,761 4,410 Restricted Stock Units have been cancelled. No Stock Options have been cancelled.	Options Restricted Stock Units
10	Dividend policy (in the case of a trust, distribution policy) on the increased capital (interests)	Rank for dividends equally with issued ordinary shares/CUFS	

Part 2 - Pro rata issue

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

+ See chapter 19 for defined terms.

20	Names of any underwriters	Not applicable
21	Amount of any underwriting fee or commission	Not applicable
22	Names of any brokers to the issue	Not applicable
23	Fee or commission payable to the broker to the issue	Not applicable
24	Amount of any handling fee payable to brokers who lodge acceptances or renunciations on behalf of security holders	Not applicable
25	If the issue is contingent on security holders' approval, the date of the meeting	Not applicable
26	Date entitlement and acceptance form and offer documents will be sent to persons entitled	Not applicable
27	If the entity has issued options, and the terms entitle option holders to participate on exercise, the date on which notices will be sent to option holders	Not applicable
28	Date rights trading will begin (if applicable)	Not applicable
29	Date rights trading will end (if applicable)	Not applicable
30	How do security holders sell their entitlements <i>in full</i> through 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

+ See chapter 19 for defined terms.

Appendix 3B
New issue announcement

- 32 How do security holders dispose of their entitlements (except by sale through a broker)?
- 33 *Issue date

Part 3 - Quotation of securities

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

- 34 Type of *securities
(tick one)
- (a) *Securities described in Part 1
- (b) All other *securities
Example: restricted securities at the end of the escrowed period, partly paid securities that become fully paid, employee incentive share securities when restriction ends, securities issued on expiry or conversion of convertible securities

Entities that have ticked box 34(a)

Additional securities forming a new class of securities

Tick to indicate you are providing the information or documents

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

+ See chapter 19 for defined terms.

Entities that have ticked box 34(b)

38	Number of +securities for which +quotation is sought					
39	+Class of +securities for which quotation is sought					
40	<p>Do the +securities rank equally in all respects from the +issue date with an existing +class of quoted +securities?</p> <p>If the additional +securities do not rank equally, please state:</p> <ul style="list-style-type: none"> • the date from which they do • the extent to which they participate for the next dividend, (in the case of a trust, distribution) or interest payment • the extent to which they do not rank equally, other than in relation to the next dividend, distribution or interest payment 					
41	<p>Reason for request for quotation now</p> <p>Example: In the case of restricted securities, end of restriction period</p> <p>(if issued upon conversion of another +security, clearly identify that other +security)</p>					
42	Number and +class of all +securities quoted on ASX (including the +securities in clause 38)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Number</th> <th style="width: 30%;">+Class</th> </tr> </thead> <tbody> <tr> <td style="height: 30px;"></td> <td></td> </tr> </tbody> </table>	Number	+Class		
Number	+Class					

+ 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: 22 August 2014

Print name: Natasha Mercer.....

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+ See chapter 19 for defined terms.

Appendix 3X

Initial 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
ARBN 097 829 895

We (the entity) give ASX the following information under listing rule 3.19A.1 and as agent for the director for the purposes of section 205G of the Corporations Act.

Name of Director	Russell Langtry CHENU
Date of appointment	15/08/2014

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 141,700 ordinary shares/CUFS registered in the name of the Director.

+ See chapter 19 for defined terms.

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

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	Number & class of Securities
Note: Provide details of the circumstances giving rise to the relevant interest.	

Part 3 – Director's interests in contracts

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.

Detail of contract	Not applicable
Nature of interest	Restricted Stock Units (RSUs). RSUs are contractual entitlements to receive issued ordinary shares/CUFs upon satisfaction of certain conditions. These RSUs were granted to Mr Chenu during the course of his former employment with James Hardie Industries plc.
Name of registered holder (if issued securities)	Not applicable
No. and class of securities to which interest relates	123,380 TSR RSUs 17,831 ROCE RSUs

+ 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) 1 497 1128

18 August 2014

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

SEC Form S-8 Registration Statement

The attached document was filed with the U.S. Securities and Exchange Commission on 15 August 2014 (US time) for the purpose of registering an additional 2,000,000 shares of the Common Stock of James Hardie Industries plc, which may be issued pursuant to awards under the James Hardie Industries plc Long Term Incentive Plan 2006.

Yours faithfully

/s/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, US), Brian Anderson (USA), Russell Chenu (Australia), David Harrison (USA), Alison Littlely (United Kingdom), James Osborne, Donald McGauchie (Australia), Rudy van der Meer (Netherlands).

Chief Executive Officer and Director: Louis Gries (US)
Company number: 485719

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

**FORM S-8
REGISTRATION STATEMENT
UNDER
THE SECURITIES ACT OF 1933**

**JAMES HARDIE INDUSTRIES plc
Formerly Known As James Hardie Industries SE**

(Exact name of registrant as specified in its charter)

Ireland
(State or other jurisdiction of
incorporation or organization)

Not Applicable
(IRS Employer
Identification Number)

**Europa House
Second Floor, Harcourt Centre
Harcourt Street, Dublin 2
Ireland**

(Address of Principal Executive Offices)

Amended and Restated James Hardie Industries plc Long Term Incentive Plan 2006

(Full title of the Plan)

**CT Corporation System
111 Eighth Avenue
New York, New York 10011**

(Name and address of agent for service)

(212) 894-8940

Telephone number, including area code, of agent for service

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):

- | | | | |
|-------------------------|--|---------------------------|--------------------------|
| Large accelerated filer | <input checked="" type="checkbox"/> | Accelerated filer | <input type="checkbox"/> |
| Non-accelerated filer | <input type="checkbox"/> (Do not check if a smaller reporting company) | Smaller reporting company | <input type="checkbox"/> |

CALCULATION OF REGISTRATION FEE

Title of shares to be registered	Amount to be registered (1)	Proposed maximum offering price per share/obligation	Proposed maximum aggregate offering price	Amount of registration fee
Common Stock, par value EUR 0.59 per share, to be issued under the LTIP	2,000,000 shares	\$12.85(2)	\$25,696,000(2)	\$3,310

(1) Represents an additional 2,000,000 shares of the Registrant's Common Stock, par value EUR 0.59 per share (the "Common Stock") available for future issuance in accordance with the James Hardie Industries plc Long Term Incentive Plan 2006 (the "LTIP"); and, pursuant to Rule 416(a) under the Securities Act of 1933, as amended (the "Securities Act"), such indeterminate number of additional shares of Common Stock as may be issued to prevent dilution resulting from stock splits, stock dividends or similar transactions. CHES Units of Foreign Securities ("CUFS") issuable upon deposit of one (1) share of Common Stock and American Depositary Shares evidenced by American Depositary Receipts ("ADRs") issuable upon deposit of five (5) CUFS have been registered under a separate registration statement.

(2) Estimated solely for the purpose of determining the amount of the registration fee pursuant to Rules 457(c) and (h) under the Securities Act based on one-fifth of the average of the high and low reported prices of the Registrant's ADRs on the New York Stock Exchange on August 12, 2014. Each ADR is equal to five (5) shares of Common Stock and one-fifth of the average of the high and low reported price for one ADR was \$12.85 on August 12, 2014.

EXPLANATORY NOTE

This Registration Statement on Form S-8 (the "Registration Statement") is filed pursuant to General Instruction E to Form S-8 for the purpose of registering an additional 2,000,000 shares of the Common Stock of the Registrant, which may be issued pursuant to awards under the LTIP. In accordance with General Instruction E to Form S-8, the Registrant hereby incorporates herein by reference the Forms S-8 filed by the Registrant with respect to the LTIP on September 11, 2008 (SEC File No. 333-153446), August 21, 2009 (SEC File No. 333-161482) and August 12, 2013 (SEC File No. 333-190551), and the Post-Effective Amendments to certain of the foregoing Forms S-8 filed by the Registrant on February 22, 2010 (SEC File No. 333-161482) and June 17, 2010 (SEC File No. 333-161482) and together with all exhibits filed therewith or incorporated therein by reference.

PART II.
INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

Item 8. Exhibits

Exhibit Number	Description
4.1	Articles of Association of James Hardie Industries plc, dated October 15, 2012 (incorporated by reference to Exhibit 99.2 to our filing on Form 6-K filed on October 15, 2012)
4.2	Amended and Restated James Hardie Industries plc Long Term Incentive Plan 2006 (incorporated by reference to Exhibit 4.2 to our filing on Form S-8 filed on August 12, 2013)
5.1	Opinion of Arthur Cox
23.1	Consent of Ernst & Young LLP, Independent Registered Public Accounting Firm
23.2	Consent of Arthur Cox (contained in its opinion filed as Exhibit 5.1 hereto)
24.1	Power of Attorney (contained on the signature pages of this Registration Statement)

SIGNATURES

Pursuant to the requirements of the Securities Act, James Hardie Industries plc certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in Dublin, Ireland on this 14th day of August, 2014.

JAMES HARDIE INDUSTRIES PLC

By: /s/ Matthew Marsh

Matthew Marsh
Chief Financial Officer

Each person whose signature appears below hereby appoints Matthew Marsh his true and lawful attorney-in-fact with Mr. Marsh having the authority to execute in the name of each such person, and to file with the Commission, together with any exhibits thereto and other documents therewith, any and all amendments (including without limitation post-effective amendments) to this Registration Statement necessary or advisable to enable the Registrant to comply with the Securities Act, and any rules, regulations and requirements of the Commission in respect thereof, which amendments may make such other changes in the Registration Statement as the aforesaid attorney-in-fact executing the same deems appropriate. Pursuant to the requirements of the Securities Act, this registration statement has been signed by the following persons in the capacities and on the dates indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Louis Gries</u> Louis Gries	Chief Executive Officer and Director (Principal Executive Officer)	August 14, 2014
<u>/s/ Matthew Marsh</u> Matthew Marsh	Chief Financial Officer (Principal Financial and Accounting Officer)	August 14, 2014
<u>/s/ Michael N. Hammes</u> Michael N. Hammes	Chairman of the Board	August 14, 2014
<u>/s/ Donald McGauchie AO</u> Donald McGauchie AO	Deputy Chairman of the Board	August 14, 2014
<u>/s/ Brian Anderson</u> Brian Anderson	Director	August 14, 2014
<u>/s/ David Harrison</u> David Harrison	Director	August 14, 2014
<u>/s/ Rudy van der Meer</u> Rudy van der Meer	Director	August 14, 2014
<u>/s/ James Osborne</u> James Osborne	Director	August 14, 2014
<u>/s/ Alison Littlely</u> Alison Littlely	Director	August 14, 2014

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Our Reference: JWB/M2C/HA228/001

15 August 2014

To: Board of Directors
James Hardie Industries plc
Europa House,
Second Floor,
Harcourt Centre,
Dublin 2

Re: **James Hardie Industries plc Registration Statement on Form S-8 in relation to the Amended and Restated James Hardie Industries plc Long Term Incentive Plan 2006**

Dear Sirs,

1. **Basis of Opinion**

- 1.1 We are acting as Irish counsel to James Hardie Industries plc, a public company limited by shares (the "**Company**"), registered under the laws of Ireland, with its registered office at Europa House, Second Floor, Harcourt Centre, Dublin 2, in connection with the filing by the Company of a registration statement on Form S-8 with the United States Securities and Exchange Commission (the "**SEC**") on the date hereof under the Securities Act of 1933, as amended (the "**Securities Act**"), with respect to the additional 2,000,000 ordinary shares with nominal value of €0.59 per share of the Company (the "**Shares**") that may be delivered pursuant to the Amended and Restated James Hardie Industries plc Long Term Incentive Plan 2006 dated 1 August 2006 as amended and restated on 22 August 2008, 21 August 2009, 19 February 2010, 15 June 2010 and 13 August 2012 (the "**Plan**").
- 1.2 This Opinion is confined to and given in all respects on the basis of the laws of Ireland (meaning Ireland exclusive of Northern Ireland) in force as at the date hereof as currently applied by the courts of Ireland. We have made no investigation of and we express no opinion as to the laws of any other jurisdiction or the effect thereof.
- 1.3 This Opinion is also strictly confined to:
 - (a) the matters expressly stated herein at paragraph 2 below and is not to be read as extending by implication or otherwise to any other matter;
 - (b) the documents listed in the Schedule (the "**Plan Documents**"); and
 - (c) the searches listed at paragraph 1.5 below.

We express no opinion, and make no representation or warranty, as to any matter of fact or in respect of any documents which may exist in relation to the Plan other than the Plan Documents.

- 1.4 For the purpose of giving this Opinion, we have examined copies sent to us by email in pdf or other electronic format of the Plan Documents.
- 1.5 For the purpose of giving this Opinion, we have caused to be made legal searches against the Company on 15 August 2014 on the file of the Company maintained by the Irish Registrar of Companies in Dublin for returns of allotments, special resolutions amending the memorandum and articles of association of the Company and notice of the appointment of directors and secretary of the Company and for the appointment of any receiver, examiner or liquidator.
- 1.6 This Opinion is governed by and is to be construed in accordance with the laws of Ireland as interpreted by the courts of Ireland at the date hereof. This Opinion speaks only as of its date.

2. **Opinion**

Subject to the assumptions and qualifications set out in this Opinion and to any matters not disclosed to us, we are of the opinion that when the Shares have been issued (and, if required, paid for in either cash or services) pursuant to and in accordance with the terms and conditions referred to or summarized in the Plan, the Shares will be validly issued, fully paid up and non-assessable (which term means when used herein that no further sums are required to be paid by the holders thereof in connection with the issue of such shares).

3. **Assumptions**

For the purpose of giving this Opinion, we assume the following without any responsibility on our part if any assumption proves to have been untrue as we have not verified independently any assumption:

The Registration Statement and the Plan

- 3.1 that when filed with the SEC, the Registration Statement will not differ in any material respect from the draft that we have examined;
- 3.2 that (if required under the terms of the Plan) any awards granted under the Plan will be in consideration of the receipt by the Company prior to the issue of the Shares pursuant thereto of either cash or services at least equal to the nominal value of such Shares and that where Shares are issued under the Plan without the requirement for the payment of cash consideration by the relevant beneficiary, then such shares shall either be fully paid up by the Company or one of its subsidiaries in a manner permitted by section 60(12)(e) of the Companies Act 1963 (as amended) and within the time permitted by Section 29(1) of the Companies (Amendment) Act 1983 or issued for consideration as set out in Section 30(2) of the Companies (Amendment) Act 1983;
- 3.3 that the filing of the Registration Statement with the SEC has been authorized by all necessary actions under all applicable laws other than Irish law;
- 3.4 that the exercise of any options granted under the Plan, the granting and vesting of any restricted stock units ("**RSUs**") under the Plan and the issue of the Shares upon exercise of such options or vesting of such RSUs (and the issue of the Shares in connection with any other awards granted under the Plan) will be conducted in accordance with the terms and the procedures described in the Plan and the applicable award certificate;

- 3.5 that the authorities contained in the articles of association of the Company to issue the Shares have not been revoked or limited in any way;
- 3.6 with respect to Shares issued on or after 31 August 2017 (the date of expiry of the Company's existing authority to issue shares) that the Company will have renewed its authority to issue the Shares in accordance with the terms and conditions set out in the articles of association of the Company and the Companies Acts 1963 to 2013 of Ireland (and any statutory modification or re-enactment thereof for the time being in place) and such authority shall be in effect at the time of such issuance;

Authenticity and bona fides

- 3.7 the completeness and authenticity of all documents submitted to us as originals or copies of originals and (in the case of copies) conformity to the originals of copy documents and the genuineness of all signatories, stamps and seals thereon;
- 3.8 where incomplete Plan Documents have been submitted to us or signature pages only have been supplied to us for the purposes of issuing this Opinion, that the originals of such Plan Documents correspond in all respects with the last draft of the complete Plan Documents submitted to us;
- 3.9 that the Plan Documents will, where necessary, be executed in a form and content having no material difference to the drafts provided to us, will be delivered by the parties thereto, and that the terms thereof will be observed and performed by the parties thereto;

Accuracy of searches and warranties

- 3.10 the accuracy and completeness of the information disclosed in the searches referred to in paragraph 1.5 above and that such information has not since the time of such search or enquiry been altered. It should be noted that searches at the Companies Registration Office, Dublin, do not necessarily reveal whether or not a prior charge has been created or a resolution has been passed or a petition presented or any other action taken for the winding-up of or the appointment of a receiver or an examiner to the Company;
- 3.11 the truth, completeness and accuracy of all representations and statements as to factual matters contained in the Plan Documents; and

Commercial Benefit

- 3.12 that the Plan Documents have been or will be entered into for bona fide commercial purposes, on arm's length terms and for the benefit of each party thereto and are in those parties' respective commercial interest and for their respective corporate benefit.

4. Disclosure

This Opinion is addressed to you in connection with the registration of the Shares with the SEC. We hereby consent to the inclusion of this Opinion as an exhibit to the Registration Statement to be filed with the SEC. In giving this consent, we do not thereby admit that we are in a category of person whose consent is required under Section 7 of the Securities Act.

Yours faithfully,

/s/ Arthur Cox
ARTHUR COX

SCHEDULE

Plan Documents

1. A copy of the form of the Registration Statement to be filed by the Company with the SEC.
2. A copy of the Plan.
3. A copy of the current memorandum and articles of association of the Company adopted by the Company on 31 August 2012 with effect from its conversion from a Societas Europaea to an Irish public limited company on 15 October 2012.
4. A certificate from Natasha Mercer, company secretary of the Company confirming that the Company has sufficient share capital to issue the Shares under the Plan, and that all required corporate authorisations have been obtained to reserve the Shares for issue by the board of directors of the Company pursuant to the Plan.

Consent of Independent Registered Public Accounting Firm

We consent to the incorporation by reference in the Registration Statement (Form S-8) pertaining to the Amended and Restated James Hardie Industries plc Long Term Incentive Plan 2006, to be filed with the Securities and Exchange Commission on or about August 15, 2014, of our reports dated May 22, 2014 with respect to the consolidated financial statements of James Hardie Industries plc and the effectiveness of internal control over financial reporting of James Hardie Industries plc included in its Annual Report (Form 20-F) for the year ended March 31, 2014, filed with the Securities and Exchange Commission.

/s/ Ernst & Young LLP

Irvine, California
August 15, 2014