

**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

TABLE OF CONTENTS

Forward-Looking Statements	3
Exhibit Index	4
Signatures	5

Table of Contents

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 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 3E 26 September 2016
99.2	Appendix 3F 26 September 2016
99.3	Cancellation of Shares 27 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: 3 October 2016

James Hardie Industries plc

By: /s/ Natasha Mercer

Natasha Mercer

Company Secretary

EXHIBIT INDEX

<u>Exhibit No.</u>	<u>Description</u>
99.1	Appendix 3E 26 September 2016
99.2	Appendix 3F 26 September 2016
99.3	Cancellation of Shares 27 September 2016

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	3,631,879	260,204
4	Total consideration paid or payable for the shares/units	\$79,840,627	\$5,359,838

Appendix 3E
Daily share buy-back notice

5 If buy-back is an on-market buy-back

Before previous day	Previous day
Highest price paid: A\$22.75	Highest price paid: A\$20.78
Lowest price paid: A\$20.42	Lowest price paid: A\$20.52
	Highest price allowed under rule 7.33: A\$21.6444

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

Nil ordinary shares/CUFS after on-market buy-back and Accelerated Share Repurchase Transaction.

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: 26 September 2016

Print name: Natasha Mercer

Appendix 3F

Final share buy-back notice (except minimum holding buy-back)

Introduced 1/9/99. Origin: Appendices 7D and 7E. Amended 30/9/2001, 11/01/10

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
---	-------------------------

We (the entity) give ASX the following information.

Description of buy-back

1 Type of buy-back	On-market buy-back
--------------------	--------------------

Details of all shares/units bought back

2 Number of shares/units bought back	3,892,083
3 Total consideration paid or payable for the shares/units	\$85,200,465
4 If buy-back is an on-market buy-back - highest and lowest price paid	<p>Highest price: \$22.75 Date: 24 August 2016</p> <p>Lowest price: \$20.42 Date: 21 September 2016</p>

+ See chapter 19 for defined terms.

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: 26 September 2016

Print name: Natasha Mercer

+ See chapter 19 for defined terms.



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

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

27 September 2016

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

Cancellation of shares

In relation to the share buy-back program announced on 19 May 2016, James Hardie Industries plc (JHIplc) advises that:

- 6,090,133 JHIplc shares represented by CUFS that were bought back by JHIplc between 15 August 2016 and 23 September 2016 have been cancelled effective at close of business on 27 September 2016;
- the total amount paid by JHIplc, in respect of:
 - (i) the on-market buy-back program to buy back the CUFS representing the cancelled JHIplc shares was A\$85,200,465;
 - (ii) the Accelerated Share Repurchase Transaction to buy back the CUFS representing the cancelled JHIplc shares was US\$35,000,000, equivalent to A\$46,216,859; and
- all of the securities bought by JHIplc under the buy-back were CUFS (with each of the CUFS representing one share in the capital of JHIplc).

As a result of this cancellation, the number of CUFS issued and quoted on the ASX as at the close of business on 27 September 2016 is now 440,609,126.

Yours faithfully

Natasha Mercer
Company Secretary

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

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

Chief Executive Officer and Director: Louis Gries (USA)

Company number: 485719

ARBN: 097 829 895