

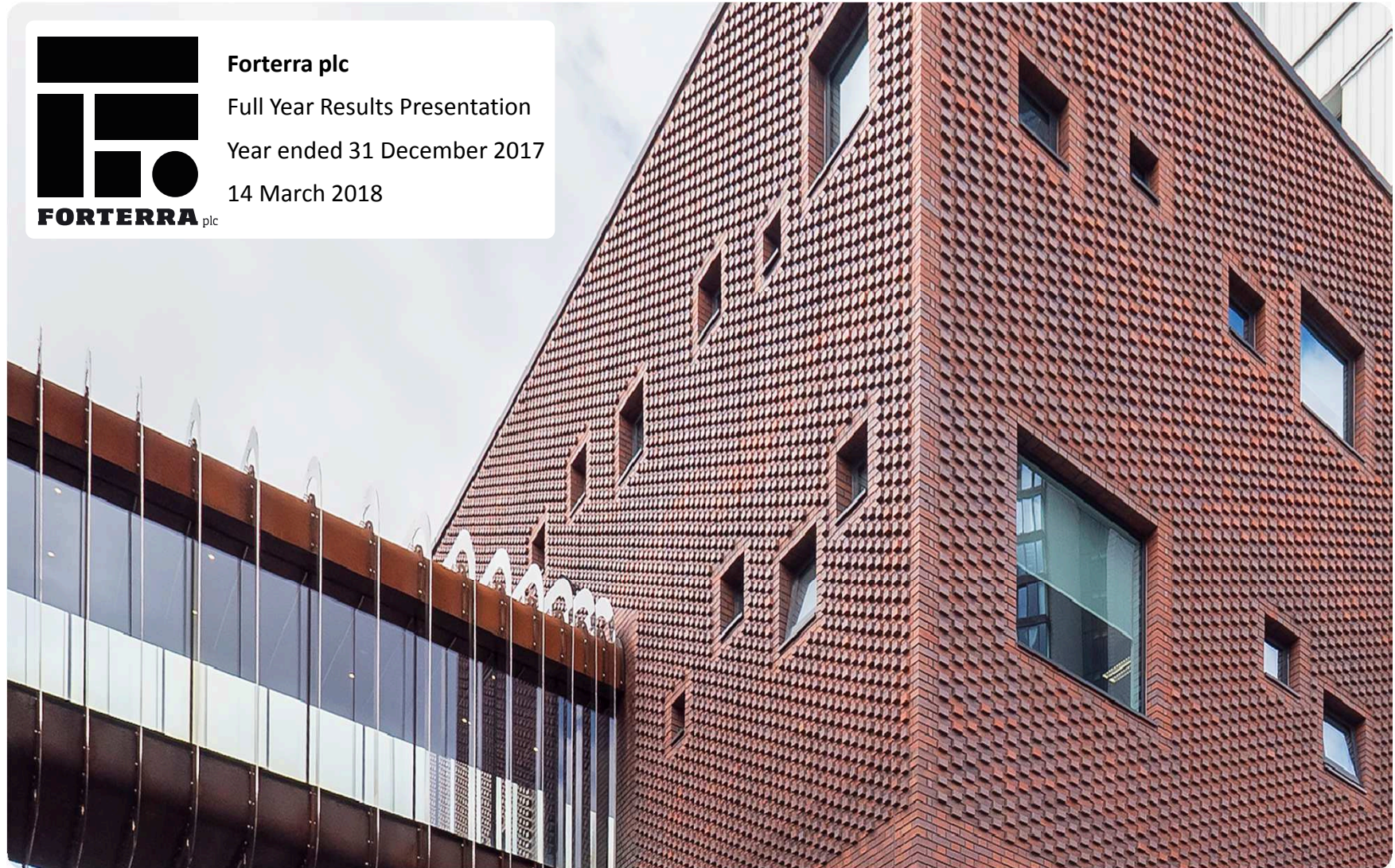


**Forterra plc**

Full Year Results Presentation

Year ended 31 December 2017

14 March 2018



THE ORIGINAL  
**LONDON**  
BRICK

**ECO STOCK**  
BRICK

**BUTTERLEY**

**CRADLEY**

**RED BANK**

**THERMALITE**

**CONBLOC**

**JET FLOOR**

INNOVATIONS IN  
**FORMPAVE**  
PERMEABLE PAVING

**BISON PRECAST**

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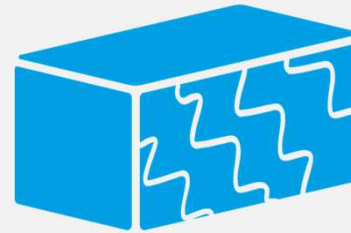
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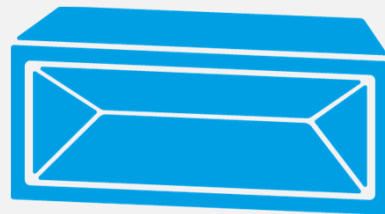
# Forterra at a glance



Leading UK producer of manufactured masonry products

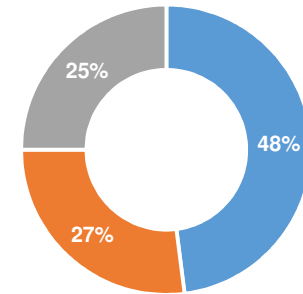


Focus on bricks and blocks with complementary range of bespoke clay & concrete products



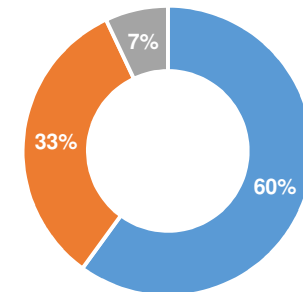
Sole manufacturer of iconic Fletton bricks sold under the London Brick brand

Revenue by segment (%)



- Bricks
- Blocks
- Bespoke Products

Revenue by end use (%)



- Residential new build
- Residential RM&I
- Commercial



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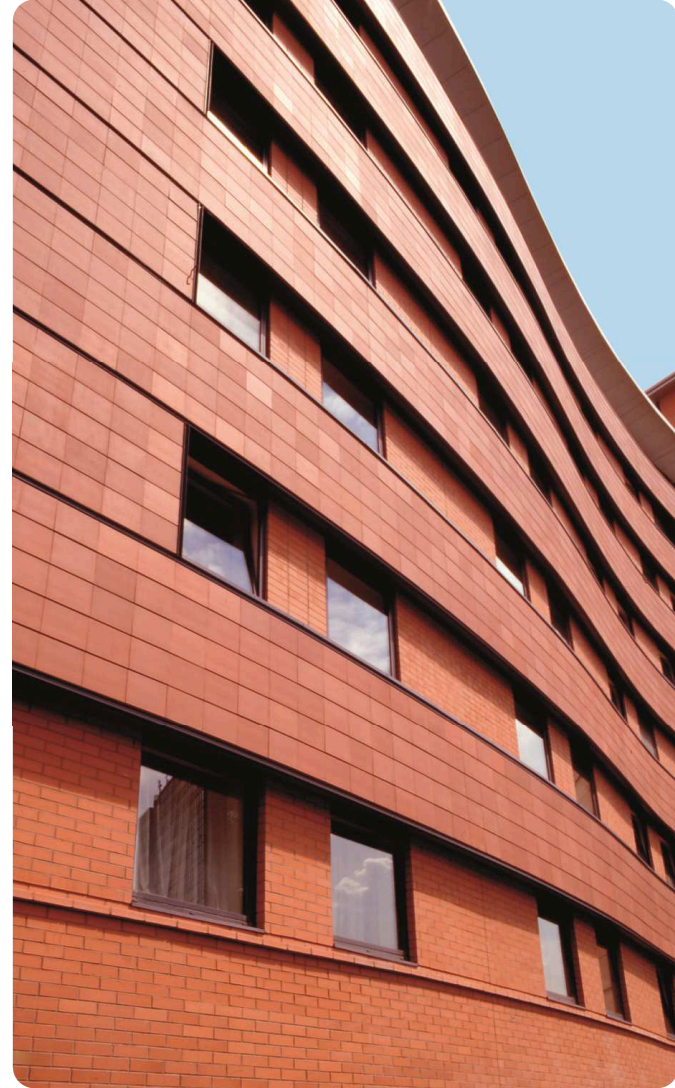
## Highlights



- Revenue increase of 10.4% (excluding benefit of Bison acquisition) due to strong demand in the new build residential market leading to double digit increase in brick and aggregate block volumes
- EBITDA increase of £6.0m due to higher volumes and prices, which mitigated higher input costs and planned cost increases enabling the business to operate stand-alone since listing
- Bison acquisition completed in September for £20.0m, providing a leadership position in precast concrete market and enabling a platform for future product development
- Strong cash flow performance resulting in £31.5m reduction in net debt to £60.8m at 31 December 2017, representing 0.8 times adjusted EBITDA
- Total dividend proposed of 9.5 pence per share, an increase of 10.5% over the annualised total for 2016



# Financial review



## Financial highlights



£m (pro-forma basis)	2017	2016	Change
Revenue	331.0	294.5	12.4%
PBT before exceptionals	61.1	53.1	15.1%
<b>EPS before exceptionals (pence)</b>	<b>24.5p</b>	21.0p	<b>16.7%</b>
Operating cash flow before exceptionals	90.2	69.8	29.2%
Net debt	60.8	92.3	(34.1)%
<b>Total dividend (pence per share)</b>	<b>9.5p</b>	5.8p	

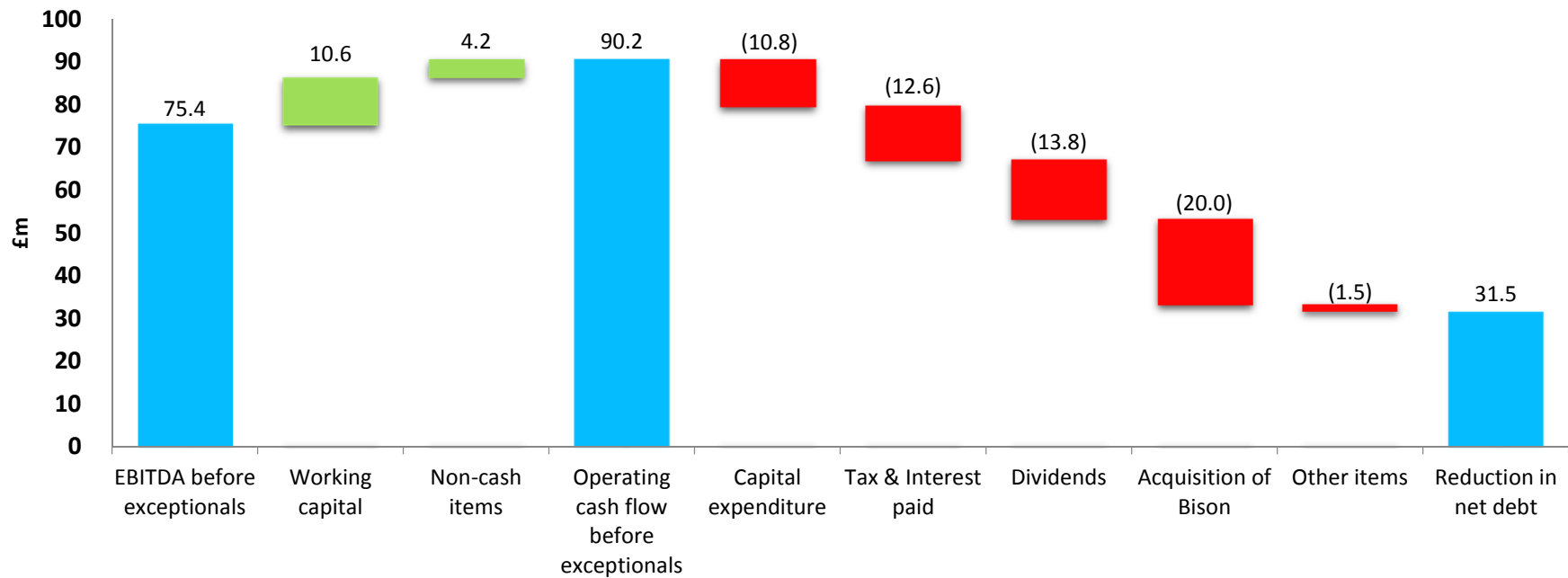
## Summary Profit & Loss



£m (pro-forma basis – before exceptionals)	2017	2016	Change
<b>Revenue</b>	<b>331.0</b>	294.5	<b>12.4%</b>
EBITDA	<b>75.4</b>	69.4	<b>8.6%</b>
<i>EBITDA margin (%)</i>	<b>22.8%</b>	23.6%	
Depreciation and Amortisation	<b>(10.9)</b>	(10.4)	
<b>Operating profit</b>	<b>64.5</b>	59.0	<b>9.3%</b>
Finance expense	<b>(3.4)</b>	(5.9)	
<b>Profit before tax</b>	<b>61.1</b>	53.1	<b>15.1%</b>
<i>Effective tax rate (%)</i>	<b>20.0%</b>	20.9%	
<b>Earnings per share (pence)</b>	<b>24.5p</b>	21.0p	<b>16.7%</b>

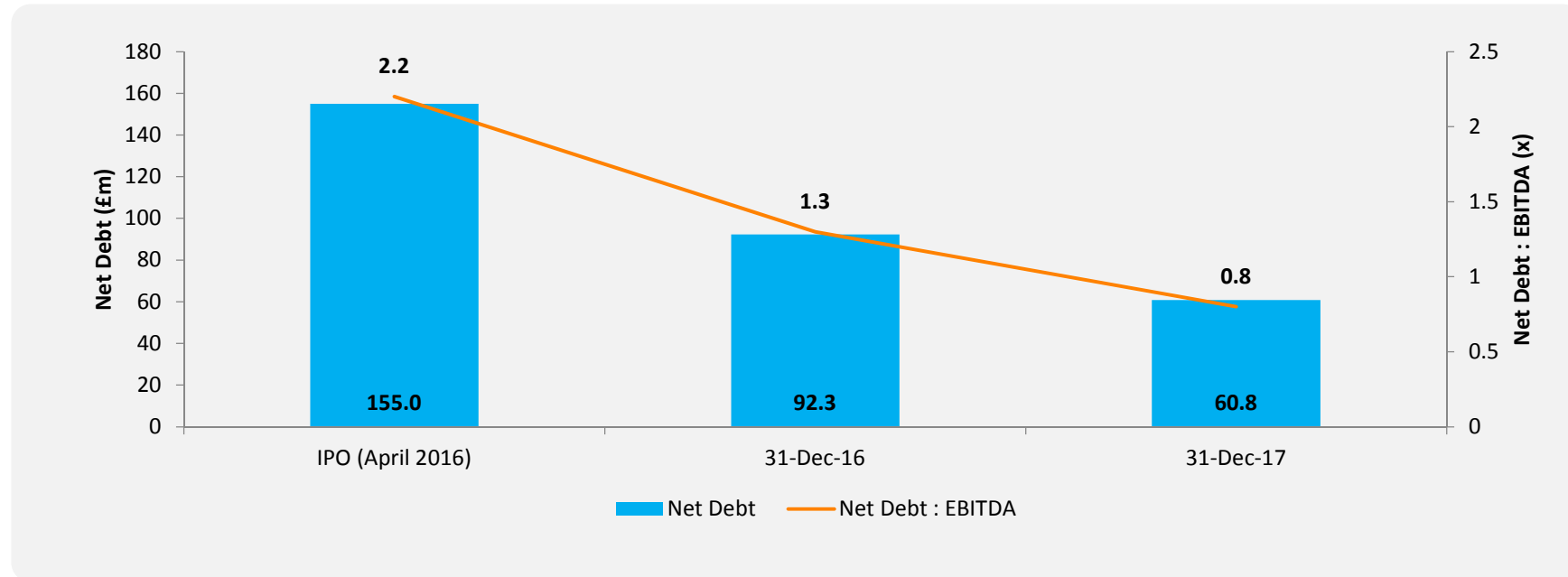


# Group Cash Flow



- Significant improvement in working capital due to reduction in brick inventory and good control of receivables and payables
- Capital expenditure includes £3.2m of expansion capex, mainly in relation to Claughton dryer upgrade
- Free cash flow (excluding dividends, acquisition and expansion capex) was £68.5m

## Net Debt and Facilities



- Net debt reduced to £60.8m due to strong cash flow, giving a gearing ratio of 0.8 times
- Since IPO, Group has generated over £130m of free cash flow enabling expansion of the business, acquisition of Bison, a progressive dividend policy and reduction in net debt
- New committed debt facility of £150m agreed in July 2017 for a term of 5 years, giving flexibility at a lower finance cost

## Financial summary



- Pleased with progress in the year, with double-digit increase in revenue and PBT
- Strong cash generation with operating cash conversion of 123% and double digit free cash flow yield
- Robust balance sheet, with net debt:EBITDA at 0.8 times with scope for further investment in the business

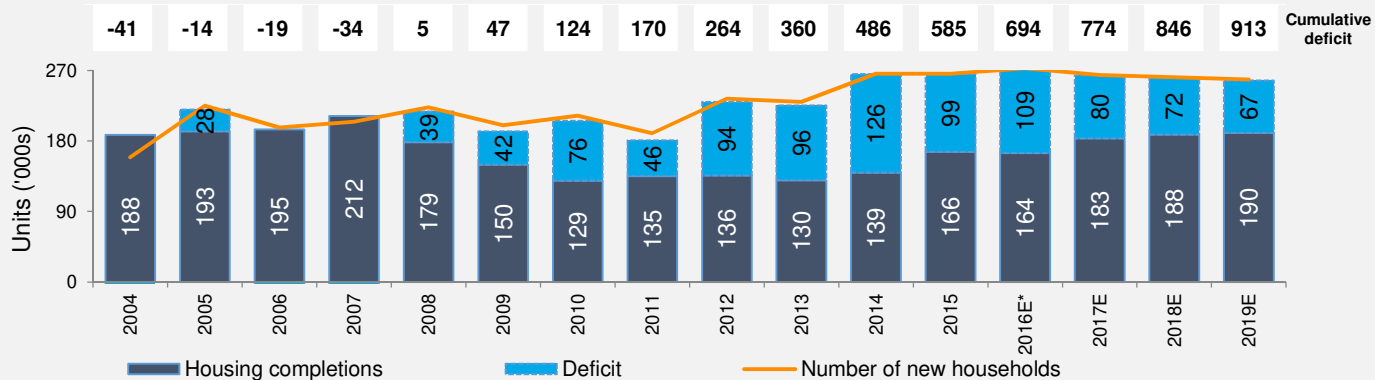


# Business review



# Structural upward momentum of the UK housing market underpinned by favourable market drivers

UK housing completions remain well below historic levels



Note: a) Housing deficit calculated as number of new households (DCLG) minus number of housing completions (DCLG + CPA). Number of new households calculated as difference between number of households reported or forecast each year by the Department of Communities and Local Government report (Feb 2015)  
 b) 2016 figure noted as an estimate as the 'Number of new households' figure remains a forecast due to the infrequent release of the relevant DCLG report  
 Source: Construction Products Association (CPA) Report Winter 2017/2018, Department of Communities and Local Government (Feb 2015)

## Favourable market drivers

**1** UK Government supportive to demand

**Help to Buy** extended to 2021

Additional c.£10bn committed in extending Help to Buy Equity Loan scheme

**2** Supportive supply side policies

A number of policies outlined in 2017 Government White Paper

November 2017 budget pledged 300,000 additional homes p.a. by the mid 2020's

**3** Land availability

UK government initiatives to ensure release of development land

£1.1bn Land Assembly Fund established to enable new settlements and urban regeneration

**4** Moderate house price inflation

House prices continuing to increase at moderate rates

2017 house price increase y-o-y: Nationwide: +2.6% Halifax: +2.2%

## Bricks and Blocks



£m	2017	2016	% Change
Revenue	249.5	221.3	12.7%
EBITDA (pro-forma)	69.1	62.7	10.2%
EBITDA margin % (pro-forma)	27.7%	28.3%	

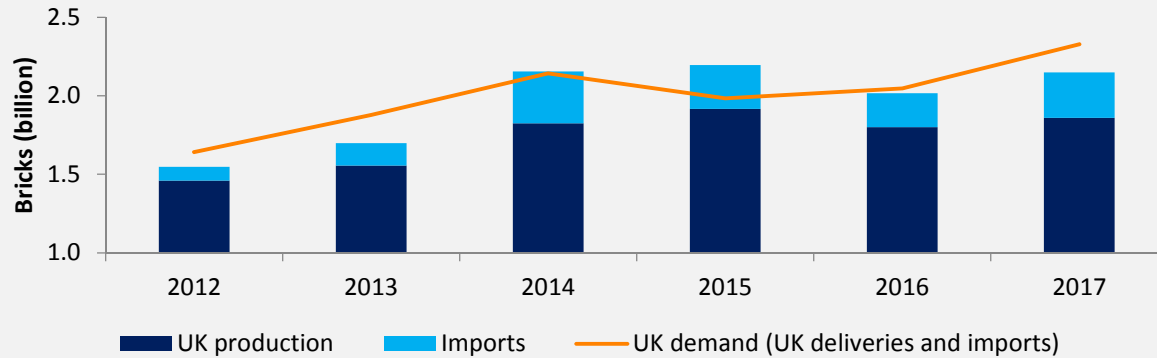
- Revenue increase driven by strong demand from new build residential market, leading to double digit increase in brick and aggregate block volumes
- Price increases were achieved across each of the product lines in line with our expectations to offset increases in the cost base
- Brick sales volume benefited from the extra soft mud capacity installed in 2016 at our Measham facility and the recommissioning of Claughton following the upgrade
- The aircrete business has performed more consistently during the year due to securing a number of alternative raw material supply sources
- EBITDA increase of 10.2% due to increased sales volumes and price rises which offset higher costs of energy, raw materials, distribution and labour. Result also affected by sales mix, higher repair costs and planned investment in group functions post IPO



# Favourable dynamics within the UK brick market



UK brick supply and demand dynamics

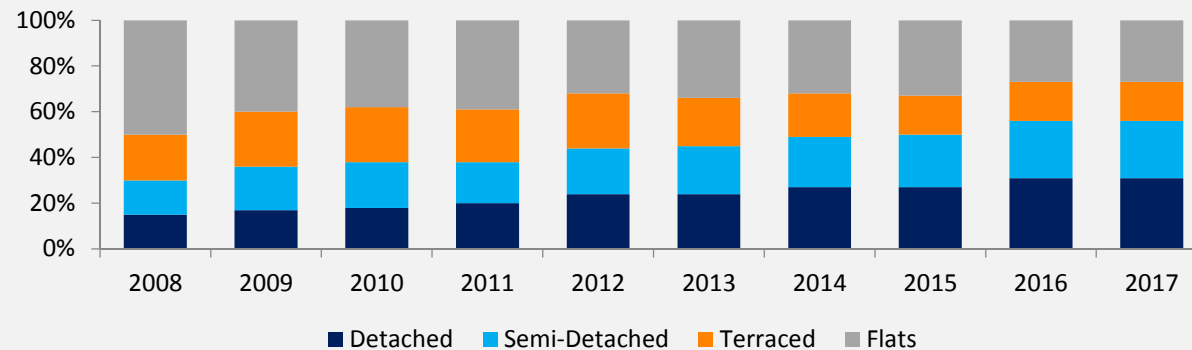


Source: Office of National Statistics (ONS), HMRC

## Favourable supply/demand dynamic

- 2017 saw demand increase ahead of production levels, leading to an increase in the level of imports within the UK market

New build housing registrations by type



Source: NHBC

## Favourable housing mix

- In recent years, the trend in house type has gradually shifted from flats towards detached houses – where a higher volume of bricks per unit are used

# Options to expand an efficient manufacturing base in bricks



## Current footprint of efficient operations

**9 brick facilities**

Average 2017 capacity per facility in GB

<b>Wienerberger</b> 52m bricks p.a.	<b>IBSTOCK</b> 43m bricks p.a.	<b>FORTERRA</b> 64m bricks p.a. <sup>(a)</sup>
<b>MICHELMERSH</b> Britain's Brick Specialists 21m bricks p.a.		

## Capacity strategy

**Debottlenecking**

<b>Measham</b>	19m bricks capacity p.a. – <b>COMPLETED</b> 2016
<b>Claughton</b>	5m bricks capacity p.a. – <b>COMPLETED</b> 2017
<b>Desford</b>	5m bricks capacity p.a. – <b>COMPLETED</b> early 2018
<b>Accrington</b>	10m bricks capacity p.a. – to be completed summer 2018



**Current development options**

Options to develop strategic landholdings:

- *Swillington*
- *Clockhouse*

Option for redevelopment of an existing operational site

Note: Average production capacity of each company calculated as total production capacity of that company in 2017 divided by the total number of facilities held by such company in the relevant area.  
 (a) includes the Cradley brick facility (c.1m brick production capacity p.a. which focuses on special shaped bricks)  
 Source: Company information, BDS (Jan 2016), Management estimates.

## Bespoke Products



£m	2017	2016	% Change
Revenue	<b>83.6</b>	74.8	11.8%
EBITDA (pro-forma)	<b>6.3</b>	6.7	(6.0)%
EBITDA margin % (pro-forma)	<b>7.5%</b>	9.0%	

- Underlying revenue growth of 4.0% after excluding benefit of Bison acquisition
- Reduction in EBITDA due to cost pressures faced by the precast business which were not fully recovered; operational challenges caused by operating Hoveringham plant above it's normal operating capacity; and planned investment in Group functions post IPO
- Both Red Bank and Formpave performed well in the year benefitting from measures to reinvigorate the product offering, and investment in a replacement block press machine at Formpave

## Bison acquisition

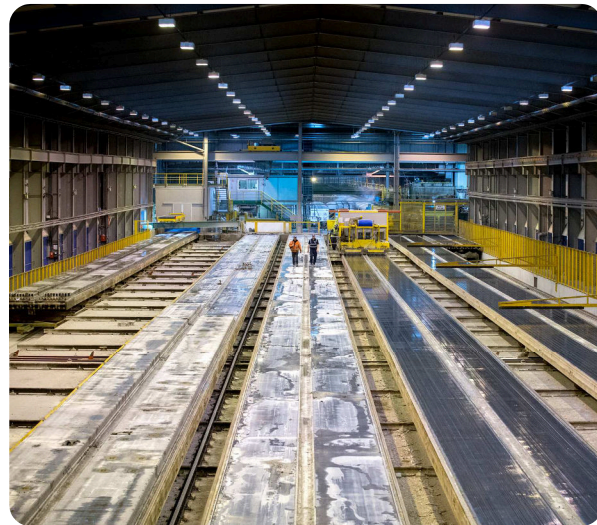
**Forterra strengthened its position in precast concrete manufacturing with the acquisition of Bison**

- Completed in September 2017
- One of the most recognised names in precast concrete
- Acquisition saw 180 Bison staff join forces and share expertise with the 230 staff at Forterra's Somercotes and Hoveringham sites
- Bison Precast brand now utilised across entire precast range
- Reinforces our status as a leading precast manufacturer in the UK
- Added new customers to Forterra's portfolio

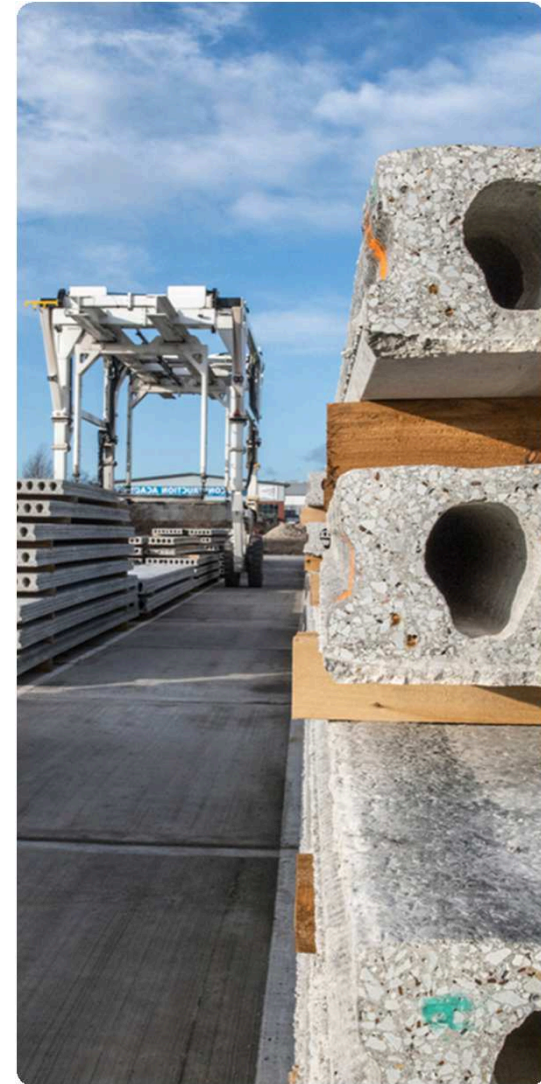




## Bison integration



- Integration progressing to plan
- Swadlincote facility already making a positive contribution to operating profit
- Wider business leveraging the Bison brand following rebranding
- Aim to have the Swadlincote site running at c.80% capacity utilisation by the summer of 2018



# Delivery against our strategic priorities in 2017



## Strategic Priority

## Achievements

### Manufacturing Excellence



- Continuous improvement programme delivering efficiency benefits
- Debottlenecking activities completed at Claughton and Desford
- Progressing options for large scale brick capacity investments

### Core Product Focus



- Profit & cash flow growth delivered
- Decreasing reliance on dry pulverised fuel ash (PFA) through investment
- Bison brand utilised across full precast range
- Fletton Brick 140th anniversary campaign

### Business Expansion



- Bison acquisition completed
- Soft mud bricks product range expanded via new product development
- Commercial project successes culminating in Brick Award



High Performing People



Strong Customer Relationships



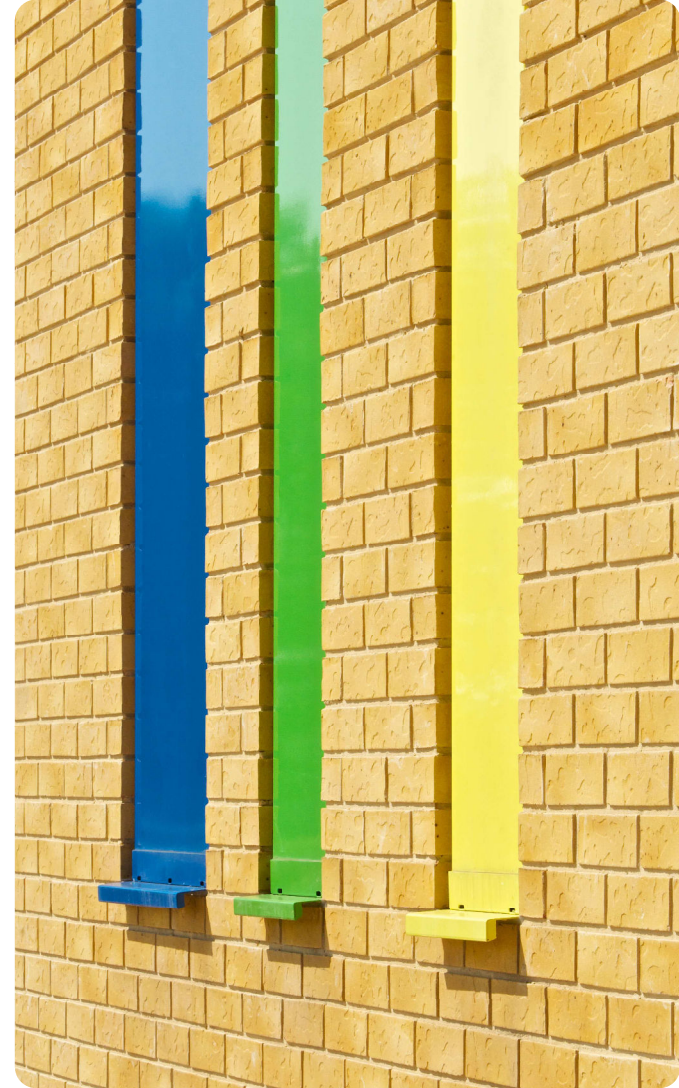
# Outlook



- Following strong performance in 2017, the current year has started well with brick and block volumes for the first two months ahead of the comparable period in 2017
- Whilst the housing maintenance and improvement market remains subdued, we continue to see good activity levels from the new build residential market and anticipate a more modest level of volume growth compared with the prior year
- As anticipated, price increases have now been agreed with most customers in order to cover the increase in our cost base
- Based on our order book and indications from major customers, our expectations for 2018 are unchanged
- Whilst we are cautious of the impact of the current uncertainty on the UK economy, the Board remains confident that the business is well positioned to take advantage of the attractive market fundamentals and of its ability to deliver sustainable shareholder value



# Q & A






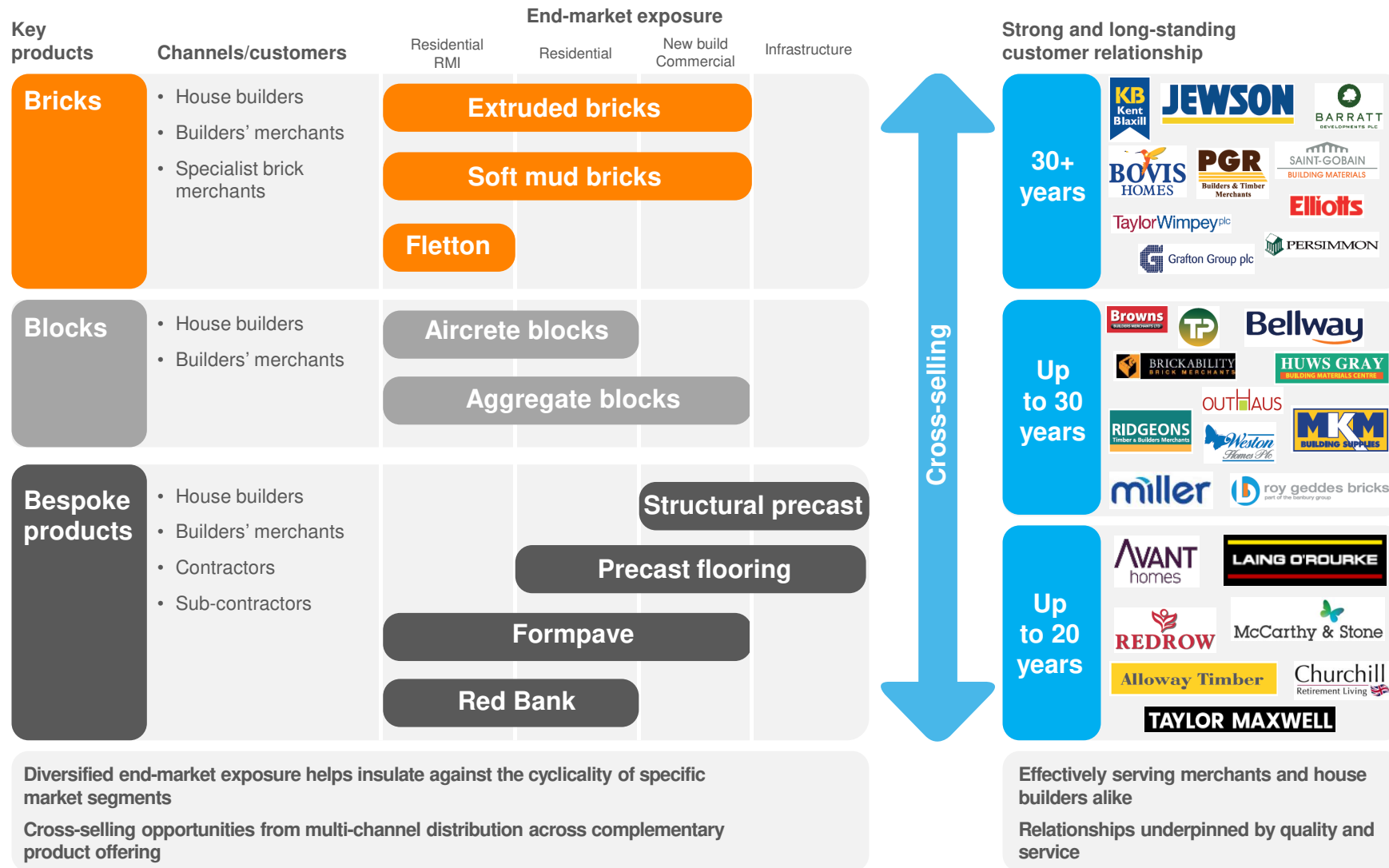


# Investment case



Pure UK focus	Growth		Resilience	Efficiency		
	Cash generation enabling investment	Further growth from cross-selling	Iconic Fletton brick	Ability to flex production capacity to meet market demand	Efficient core brick manufacturing	High return / -low risk capex
<p><b>1.</b> 100% in UK</p> <p>Consolidated competitive landscape</p> <p>Structural long-term growth</p> 	<p><b>2.</b> Capex projects and potential to be acquisitive</p> <p>Capacity expansion in brick</p> <p>Able to investigate relevant bolt on acquisitions</p>	<p><b>3.</b> 93% of sales from the housing market</p> <p><b>Volume growth</b></p> <p>Highly complimentary products across the housebuilding market</p> <p>Bricks (outer wall cavity)</p> <p>Blocks (inner wall cavity)</p> <p>Concrete flooring</p> <p>Chimney/roofing</p>	<p><b>4.</b> Sole manufacturer</p> <p><b>Volume growth</b></p> <p>Highest margins</p> <p>Largely RM&amp;I</p> <p>Premium and resilient pricing</p> <p>No imports available</p>	<p><b>5.</b> Operational agility</p> <p>Proven capability in matching capacity to market demand</p> <p>Reacting quickly to ensure efficient operations</p>	<p><b>6.</b> Superior output per facility; highly efficient operations</p> <p>Measham (c.105m capacity): the most efficient soft mud plant in UK</p> <p>Brick capacity per facility: c.64m</p> <p>Sales per facility: c.£18m</p>	<p><b>7.</b> Immediate focus on low cost incremental capacity additions</p> <p><b>£0.25 m per million bricks</b></p> <p>(vs a new factory of c£0.6m per million bricks)</p> <p>Completing evaluation of larger capacity projects</p>

# We serve the UK building construction markets across all distribution channels

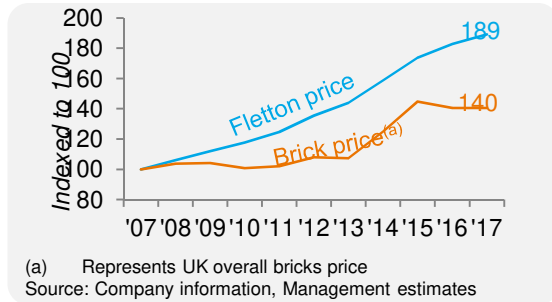




# The sole producer of the iconic Fletton brick



## Product line benefits from strong pricing



## Significant heritage - produced since 1877



## Competitive advantage secured by unique manufacturing process

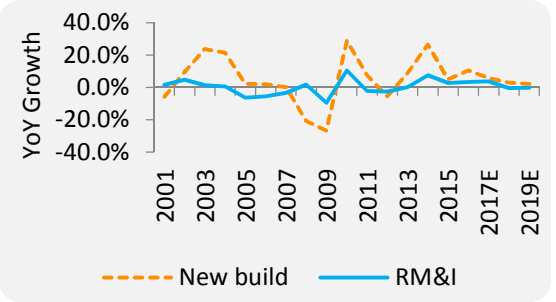
- Strategic and sole access to Fletton-specific clay reserve
- London Brick Company brand
- 130 million production capacity p.a.
- Unique technical knowledge and skilled workforce
- Bespoke production equipment maintained in Forterra's own workshops

## Additional benefits

### Cross-selling opportunities

- Nearly all English builders' merchants hold inventories of Fletton bricks
- Sole producer of Fletton bricks strongly positions Forterra with customers

### Primary exposure to the more stable RMI market in GB



### c.23% of existing English homes built with Fletton bricks



Source: Company information, Management estimates, CPA Report Winter Forecast 2017/18

# Market view: Blocks

## Aircrete blocks

Description

- Cost effective solution for wall, floor and below-ground constructions
- Up to 80% recycled content
- Lightweight features enabled accelerated speed of build

Demand drivers

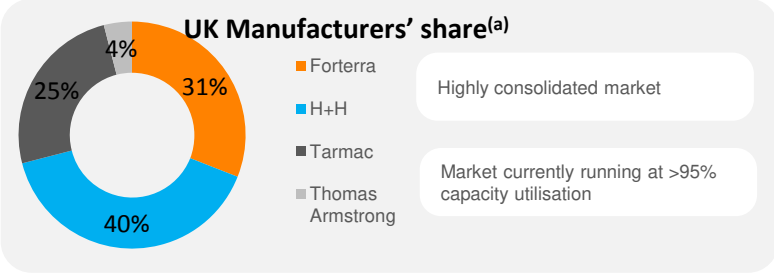
- Residential market
- Building code changes
- Enhanced detailing

Competitive advantages

- High thermal and sound insulation
- Good compressive strength
- Light weight
- Moisture resistance
- Easy-to-achieve u-value targets
- Lower CO2 emissions



Competitive advantages

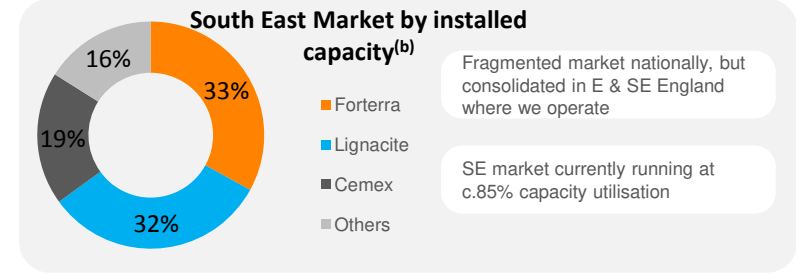


## Aggregate blocks

- Quick, easy, cost-effective build solution for both inner-leaf and facing requirements of walls
- High content of locally-sourced recycled/sustainable materials
- Widely used within RMI, general and retaining wall projects, housing, commercial and structural projects

- Residential market, new build and RMI
- Commercial and architectural technical specifications

- Excellent structural strength
- Easy to install
- Acoustic benefits
- Cost effective



(a) Aircrete market share calculated based on estimates of GB production capacity in 2015 prepared by BDS (Dec 2017).

(b) Aggregate market share calculated based on estimates of East and South Eastern production capacity in 2016 prepared by BDS (Dec 2017) and therefore does not include volume sold into the region by Plasmor via their rail linked plants. Source: Company information, Management estimates, BDS (Dec 2017).

# Market view: Precast products

**Description**

### Hollowcore Flooring

- Flooring solution used across the residential sector, typically in multi-unit dwellings
- Ideal structural section due to reduced deadweight whilst also providing maximum structural efficiency

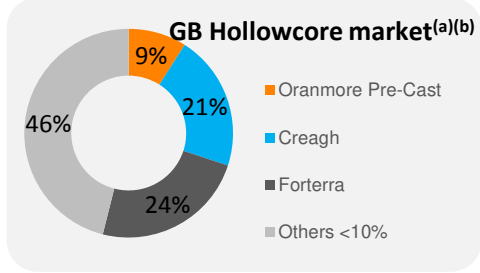
**Demand drivers**

- Residential market (especially flats)
- Building code changes
- Commercial construction

**Competitive advantages**

- Flexibility of design approach
- Enhanced spans
- Factory produced to high quality standard
- Preformed site services
- Speed of erection
- Reduction of in-situ concrete
- Sound resistance

**Competitive advantages**

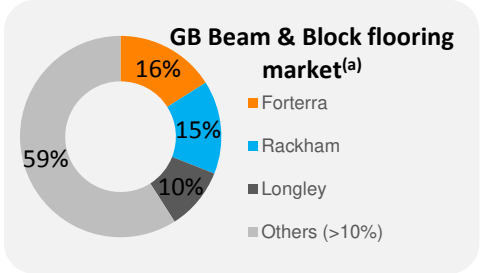


### Beam & Block Flooring

- UK's first system (Jetfloor) to use expanded polystyrene blocks combined with a structural concrete topping
- Primarily used in ground floor residential setting due to high levels of thermal insulation

- Residential housebuilding market

- High level thermal insulation
- Flexible 'u' value performance
- Reduced excavation and spoil removal
- Increased speed of build
- No specialist construction skills required



### Other precast

- Stairs and landings (complimentary to hollowcore solution)
- Crosswall frames
- Stadia components
- Columns and beams
- Bespoke precast units

- Commercial construction market
- Infrastructure market

- Flexibility of design approach
- Speed of erection
- Fire resistance
- Slip resistance values
- Off site manufacturing reduces the need for wet trades and materials on site



(a) Market share calculated based on estimates of GB production capacity in 2015 prepared by BDS.  
 (b) Hollowcore market share is based on BDS reports with the addition of Management estimates due to the Bison acquisition.  
 Source: Company information, Management estimates, BDS (June 2016).

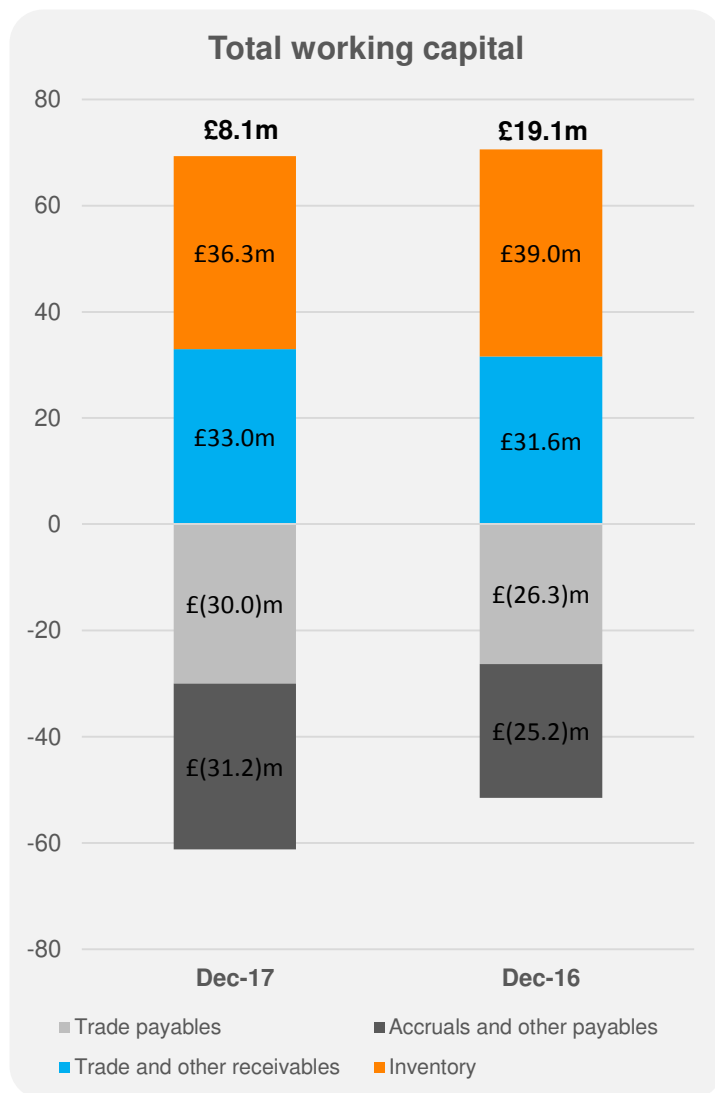
## Pro-forma adjustments



£m	2017	2016
<b>Operating profit (statutory basis)</b>	<b>64.5</b>	51.3
Exceptional items	-	8.9
<b>Operating profit before exceptionals</b>	<b>64.5</b>	60.2
Additional costs in 2017 as a plc	-	(1.2)
Operational profit before exceptionals (pro-forma basis)	<b>64.5</b>	59.0
Finance charge before exceptionals (for 2016 based on debt structure for full year)	<b>(3.4)</b>	(5.9)
<b>PBT before exceptionals (pro-forma basis)</b>	<b>61.1</b>	53.1
Tax charge at effective rate	<b>(12.2)</b>	(11.1)
Earnings before exceptional items (pro-forma basis)	<b>48.9</b>	42.0
Number of shares (millions)	<b>200.0</b>	200.0
<b>EPS before exceptionals (pence)</b>	<b>24.5p</b>	21.0p



# Trade Working Capital



## Trade working capital breakdown

£m	31 Dec 2017	31 Dec 2016
Inventory days	67	83
Debtor days*	40	39

\*Count back basis

## Summary Balance sheet



£m	2017	2016
Intangible assets	15.8	13.7
Property, plant and equipment	165.2	147.2
Deferred tax asset	-	0.4
<b>Total non-current assets</b>	<b>181.0</b>	<b>161.3</b>
Current assets		
Inventories	36.3	39.0
Trade and other receivables	33.0	31.6
Cash and cash equivalents	29.0	56.2
<b>Total current assets</b>	<b>98.3</b>	<b>126.8</b>
<b>Total assets</b>	<b>279.3</b>	<b>288.1</b>
Trade and other payables	(61.2)	(51.5)
External borrowings	(89.8)	(148.5)
Other liabilities	(23.6)	(18.9)
<b>Net assets</b>	<b>104.7</b>	<b>69.2</b>

## Summary Cash Flow



£m	2017	2016
EBITDA before exceptionals	75.4	69.4
Change in working capital	10.6	(1.0)
Other movements	4.2	1.4
<b>Operating cash flow before exceptionals</b>	<b>90.2</b>	69.8
Exceptional items	-	(13.6)
Tax and Interest	(12.6)	(18.7)
<b>Capital expenditure</b>		
- maintenance	(7.6)	(7.4)
- expansion	(3.2)	(1.7)
Acquisition of Bison	(20.0)	-
Dividends	(13.8)	(4.0)
Other movements	(1.5)	0.3
<b>Net cash flow</b>	<b>31.5</b>	24.7
<b>Adjusted free cash flow</b> (interest normalised, before dividends, acquisition and expansion capex)	<b>68.5</b>	50.4