



INVESTOR SITE TOUR & PRESENTATIONS

Boral North America

Dallas, Texas and Detroit, Michigan 12–13 September 2017







Day 1 and Day 2 schedule

Tuesday and Wednesday, 12-13 September 2017



Sep 12 – Time	Agenda
8:00 a.m. – 12:30 p.m.	Management Presentations and Q&A
12:30 p.m. – 1:00p.m.	Lunch
1:00 p.m. – 1:40 p.m.	Travel to Windows Legacy plant
1:40 p.m. – 2:25 p.m.	Safety Briefing, Tour of Windows Dallas facility
2:25 p.m. – 3:05 p.m.	Travel to airport for flights to Detroit - Day 2 and tour of Metamora plant
Sep 13 – Time	Agenda
7:00 a.m. – 9:00 a.m.	Travel to Metamora plant
9:00 a.m. – 10:00 a.m.	Management Presentations and Q&A
10:00 a.m. – 12:00 p.m.	Safety Briefing and Tour of Light Building Products Detroit facility
12:00 p.m. – 1:30 p.m.	Lunch
12:00 p.m. – 1:30 p.m. 1:30 p.m. – 3:20 p.m.	Lunch Travel to airport

Agenda



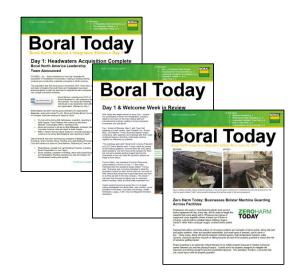
Introduction, Strategy and Outlook

Boral North America Overview David Mariner

Construction Materials Keith Depew

Building Products Chris Fenwick, Joel Charlton

Innovation Joel Charlton



FY2017 marks the fifth year of transforming Boral We are building a transformative culture to grow, innovate and be responsive



Across Boral's three strong divisions, we are building a transformative culture to deliver performance excellence, capture growth and to respond to a changing world

Boral Australia	USG Boral	Boral North America
Strengthening our leading position in Australia through pivotal quarry reinvestments	Delivering long-term organic growth through: Innovation	 Transformational growth and improved performance through: Headwaters acquisition
 Leveraging diverse markets with multi-year growth in major roads & infrastructure Margin growth through 	 Asian economic growth Product penetration for interior linings and related products 	 Meridian Brick JV New product development and innovation Market recovery / growth
commercial & operational excellence • Developing innovation platform	Defend & improve leading regional capabilities through next gen Sheetrock®	Shift from high fixed cost capital intensive to variable cost model to better respond to cycles



Headwaters acquisition delivers on our objectives Highly complementary businesses, generating substantial value



STRENGTHENING The Portfolio

- Establishes Boral North America (BNA) as a leader in our product areas
- Grows scale of Fly Ash, Stone, Roofing and Light Building Products (LBP)
- Improves position, offering and earnings

TRANSFORMING Our Business Position

- Balances end market exposures, reducing dependence on new residential building
- Diversifies channel, geography and customer
- Creates a more variable based, low fixed asset platform

SCALING Light Building Products

- Establishes a significant LBP platform
- Focuses on large repair and remodel
- Complements Innovation Factory

DELIVERS

- Strong business
- Platform for innovation and growth
- Significant value and synergies
- Improved quality of earnings
- Better positioned to exceed cost of capital through cycle



OUTLOOK and FY2018 FINANCIAL CONSIDERATIONS



Outlook for FY2018 – as reported on 30 August 2017



Earnings growth across all divisions, with significant lift in Boral North America as we deliver on Headwaters acquisition objectives

- Expect higher EBIT in FY2018 compared with FY2017 excluding property in both years; 1H and 2H EBIT expected to be broadly balanced
- Property earnings in FY2018 currently expected at lower end of historical range (\$8m-\$46m)
- EBIT in FY2018 including Property expected to be broadly similar to FY2017

- · Profit expected to grow at a high single digit growth rate in FY2018
- Sheetrock® to deliver price, volume and cost benefits across all markets
- Improvements expected from Indonesia and Thailand businesses, while softer activity is forecast in Australian and Korean residential construction markets

- · Expect significant growth in EBIT in FY2018 from the full year contribution of Headwaters coupled with US\$30-35m of year 1 synergies
- Expect Meridian Brick JV to contribute an earnings uplift from market growth and synergies
- Business should benefit from forecasted market growth¹ of ~8% in housing starts (to ~1.29 million), ~5% increase in US infrastructure activity, ~12% growth in Non-residential and ~6% growth in Repair & Remodel
- Housing starts based on average of analysts' forecasts (Dodge, Wells Fargo, NAR, NAHB, Fannie Mae, Freddie Mac, MBA) from July/August 2017 forecast; Non-residential from McGraw Hill Dodge; Repair & Remodel from Moody's Retail Sales of Building Products; and Infrastructure Ready Mix Demand from McGraw Hill Dodge



FY2018 financial considerations



Area

FY2018 implications

Synergies

- Headwaters acquisition expected year 1 synergies of US\$30m-\$35m and run rate of US\$50-55m at end of year 1
- Meridian Brick JV synergies of US\$25m p.a. within 4 years (by Nov 2020) with US\$8m run rate at end of FY17

Corporate costs

FY18 to be slightly higher than FY17 due to additional Innovation spend of ~A\$3-\$5m

Depreciation & Amortisation

- · Headwaters post acquisition PPA adjustments underway, additional D&A likely to be ~US\$30-35m p.a.
- Group D&A ~A\$390-410m in FY18 (including amortisation of ~A\$70-\$80 million in FY18, subject to PPA finalisation)

Total Boral capex expected to be ~A\$425-\$475m p.a. (including incremental Headwaters capex)

Debt & gearing

- Cost of debt ~ 4.75% to 5.00% p.a.
- Gearing of 30% within comfort range expect to reduce to ~25% in coming years

HW significant items

Implementation costs - expect US\$90-100m over two years, FY18 & FY19

Taxation

- Effective tax rate ~ 29-31%
- Cash flow benefits of US tax loss carried forward

Dividends & franking

- Franking to align with earnings mix from Australia; expect FY18 dividends to be partially franked in range of 50-70%
- Dividend Policy: payout ratio ~50-70% of earnings before significant items, subject to Company's financial position





Boral North America, US\$m	
Headwaters FY17 pro forma Adjusted EBITDA ¹	221
Boral legacy business FY17 EBITDA	57
Year 1 targeted synergies (US\$30-\$35m)	~33
EBITDA	311
Less D&A ² : HW (\$74m), Boral (\$24m), PPA (\$30-\$35m)	(130)
Base EBIT plus synergies	181
Add in growth assumptions	XX
Total North America EBIT	>>181
Add back Amortisation ³ ~A\$70-80m (~US\$56m)	~56
EBITA	XXX

Boral Group EBITA and NPATA, A\$m		
Group EBIT assumption	XXX	
Add back Amortisation³ ~A\$70-80m (~US\$56m)	~75	
EBITA	XXX	
Group NPAT assumption	XXX	
Add back tax-effected Amortisation (~A\$70-80m at US rate of 38%) ⁴	~47	
NPATA	XXX	

Adjusted EBITDA of US\$221m for year ended 30 June 2017 is provided as a comparable basis to previously reported results from Headwaters. With expected growth of earnings⁵ in the September 2017 quarter, the June year end pro forma result is in line with guidance provided by Headwaters of an Adjusted EBITDA of US\$235-\$250m for the 12 months ending September 2017.

- Provided in Boral's full year results presentation on 30 August 2017 (slide 15)
 \$74m is underlying pro forma FY2017 D&A for Headwaters; \$24m is FY2017 D&A for Boral's legacy business excluding Bricks; \$30-\$35m is guided purchase price accounting (PPA) adjustment
 Anortisation from the Headwaters businesses plus additional amortisation from PPA uplift
 For accounting purposes
 Expected growth includes a full September quarter of earnings from the Windows business acquired in August 2016





BORAL NORTH AMERICA

David Mariner President & CEO, **Boral North America**



Agenda



Introduction, Strategy and Outlook Mike Kane

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- Business overview
- Market outlook
- Strategic priorities
- Meridian Brick Joint Venture



Boral North America - Overview



A leader in key construction materials and building products markets

Overview

Pro forma¹ US\$1.9b Revenue PEOPLE² SITES2

Well positioned to deliver synergies and growth

- Industry leading player with national footprint
- Significant synergies identified in Fly Ash, Stone, Roofing, Light Building Products and Corporate
- Fundamentals signal healthy market growth over next 5+ years
- Growth from innovation by capitalising on network scale and investing in early stage products
- Strong management team with extensive industry experience and track record of integrating operations and realising synergies
- Pro forma based on 12 months ended 30 June 2017, except for Windows which is based on revenue post-acquisition from August 2016, and includes Boral's 50% share of revenue from the Meridian Bricks JV for 12 months ended 30 June 2017
 As at 30 June 2017, people on a full time equivalent basis, includes Headwaters and Meridian Brick employees and sites

Safety: Key performance indicators

Safety a focus within integration work



Employee and Contractor LTIFR¹



Employee and Contractor RIFR²



- Safety integration work streams underway
 - Focus on risk identification and employee engagement
 - Headwaters historical performance was improving, focusing on accelerating improvement
 - Safety integration continues with Meridian Brick JV

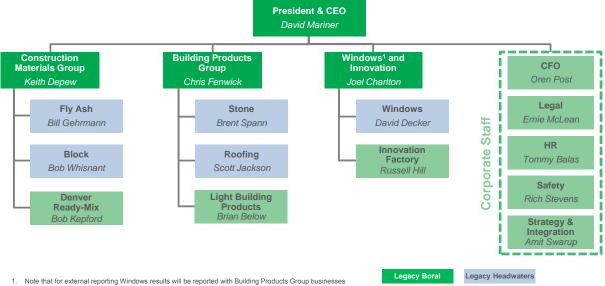


- Lost Time Injury Frequency Rates (per million hours worked) in 100%-owned businesses (2 months of Headwaters), 50%-owned Meridian Bricks joint venture operations (8 months)
- 2. Reportable Injury Frequency Rates (per million hours worked) in 100%-owned businesses (2 months of Headwaters), 50%-owned Meridian Bricks joint venture operations (8 months)

Boral North America organisational structure



Experienced executives from Boral and Headwaters coming together



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Extensive national footprint



Synergies resulting from scale and complementary geographic coverage



- 1. As of September 2017. Building Products distribution centres not shown. Fly ash sites include fly ash sources, terminals, services only sites and synthetic gypsum sources
- Includes three Windows plants and one components facility
- 3. Closure announced of Brick plant in Quebec

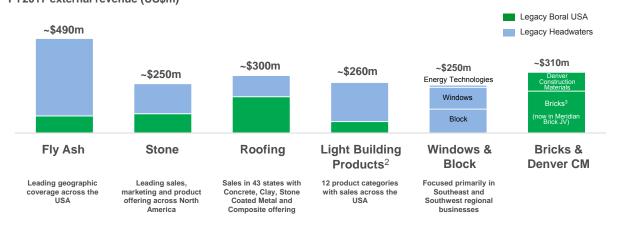
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Industry leading competitor in key segments



Strong strategic fit between Headwaters and Boral's existing US businesses

Complementary businesses with strong capabilities in key market segments and national scale FY2017 external revenue (US\$m)1



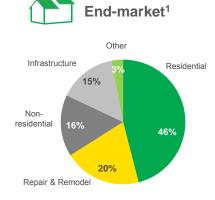
- Pro forma based on 12 months ended 30 June 2017, except for Windows which is based on revenue post-acquisition from August 2016 Light Building Products includes siding, trim and panelized stone Represents Boral's 50% share of revenue from the Meridian Bricks JV for 12 months ended 30 June 2017

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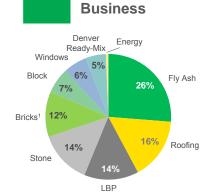
A more diverse revenue profile (%)

BORAL

More exposure to scaled, higher margin businesses and diverse end markets



Diversified market exposures beyond single family housing



Less capital intensive, more variable cost businesses. Focus on emerging trends and products early in life cycle



Geographic²

Positioned across high population growth markets, with strong exposure in the South

- Includes Boral's 50% share of revenue from the Meridian Bricks JV for 12 months ended 30 June 2017
 Southeast AL, FL, GA, KY, MS, NC, SC, TN, VA, WV; Southwest AR, LA, OK, TX; West AK, AZ, CA, CO, HI, ID, MT, NM, NV, OR, UT, WA, WY; Midwest IA, IL, IN, KS, MI, MN, MO, ND, NE, OH, SD, WI; Northeast CT, DC, DE, MA, MD, ME, NH, NJ, NY, PA, RI, VT. Revenue split is based on a combination of FY2017 external revenues for legacy Boral (50% of Meridian JV) and the regional level percent split for Oct '15 – Sep '16 applied to FY17 pro forma revenue for legacy Headwaters

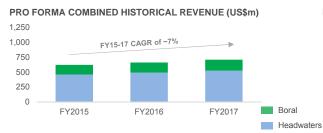
Southwest

Overview of pro forma financial history

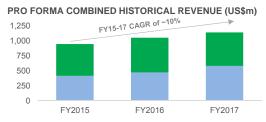


Sustainable growth both organically and from acquisitions

Construction Materials¹



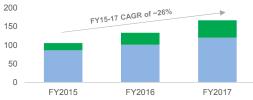
Building Products (incl. Bricks)¹







PRO FORMA COMBINED HISTORICAL EBITDA (US\$m)



. Based on Headwaters results for 12 months ended 30 September for FY2015 and FY2016, and 12 months ended 30 June for FY2017 before PPA adjustments, except for Windows which is based on post-acquisition results from August 2016. Block results shown under Construction Materials. Boral results for 12 months ended 30 June for all years. Includes 50% share of Meridian Bricks JV underlying result for 12 months ended 30 June for all years. Includes 50% share of Meridian Bricks JV underlying result for 12 months ended 30 June for all years.

2. FY2016 Construction Materials result includes Boral's US\$7m one-off land sale benefit

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Capital expenditure





- Total capex of ~US\$120m expected in FY2018, including ~US\$5-\$10m for safety & environmental
- Fly Ash: new or upgraded storage capacities at ~3-4 facilities; reclamation capital at Montour
- **Stone**: mould replacements; cost reduction / automation; Greencastle completion; and environmental projects
- Light Building Products: additional production capacity; small equipment projects
- Roofing: curing chambers & racking (Lathrop); new racks (Stockton); scrubber (Corona); oven, line & press upgrade (Oceanside); various infrastructure projects; Florida network optimization
- Denver: small projects at quarry, truck lease buy-out
- Windows: additional fleet
- Block: small SIB projects
- Corporate: ERP upgrade

Agenda



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- **Meridian Brick Joint Venture**



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Economic outlook

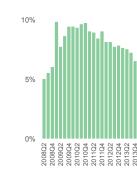
Fundamentals sound, driving growth across all market segments



Q2 CY 2017 GDP Growth

8.0% 4.0% 0.0%

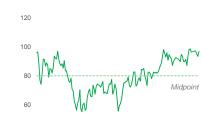
(2.0%) (4.0%) (6.0%) (8.0%) (10.0%) 2.1% average quarterly growth since 3Q 2009¹



August 2017 Unemployment

4.4%

vs. Oct-09 peak of 10.0%²



up from Nov-08 trough of 55.33

Consumer Confidence

96.8

Jun-05
Jun-05
Jun-05
Jun-07
Jun-07
Jun-10
Jun-17
Ju

- 1. US Bureau of Economic Analysis
- US Bureau of Labor Statistics
 University of Michigan Surveys of Consumers, 80+ considered positive

New residential housing



Single family growing, affordability high, supply remains challenged

Single and Multi Family Housing Starts¹ Housing units millions

2.1 2.1 Multi Family 2.0 ■ Single Family 1.7 1.6 0.6 0.6

- Source: US Census seasonally adjusted annualized housing starts Source: National Association of Realtors (NAR) Source: National Association of Home Builders (NAHB)

Single Family Growth¹ (FY17 % of Total)

68%

~2.0 percentage points above FY16; Below 71% long term average

Affordability Index²

153

5.4% down year over year but significantly above historic average of 100

New Housing Stock³ (millions)

11.2% up year over year; coming in line with 0.4 million long term average

Existing Housing Stock² (millions)

8.4% down year over year; below long term average of 2.2 million

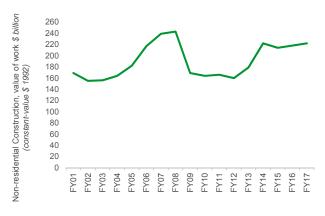
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Non-residential

Warehousing and Education continued to drive construction in FY2017

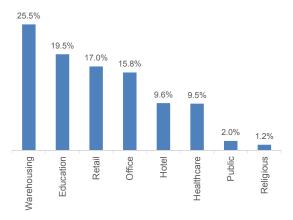
BORAL

Non-residential Activity¹



Non-residential grew ~2% in FY2017; Warehousing, Education and Retail driving construction

2017 Breakdown by Non-residential Segment¹

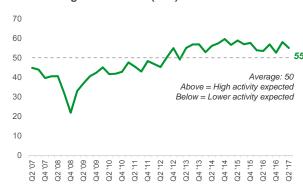


Repair and Remodel (R&R)



Builder optimism coupled with higher retail sales in home improvement

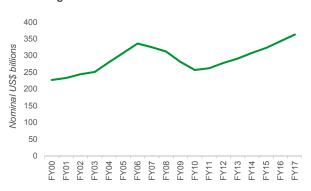




RMI above 50 for 17 consecutive quarters, indicating robust remodeling demand across the US

- Source: National Association of Home Builders (NAHB) Source: Moody's

Building Products Retail Sales²



Home Improvement sales continue to rise as homeowners take advantage of rising equity values

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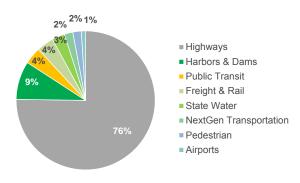
Infrastructure

Highways continue to be the main driver in the infrastructure segment

Infrastructure Activity¹

200 Ready Mix cubic yards (millions) 190 180 170 160 150 140 130 120 110

Infrastructure Cement Consumption²



Infrastructure slowed in FY2017 by ~4%, driven by lower spend in election year; trend is expected to return to growth over the next 18 months

- Source: Dodge Data & Analytics, US Ready Mix Outlook for Non-Building / Maintenance & Repair segments
- Source: Portland Cement Association

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Positive outlook across all markets

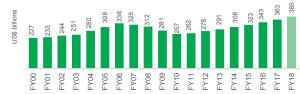


Growth expected in all segments

USA New Residential: 46% of combined NA revenue1







USA Non-residential: 16%⁵ of combined NA revenue³



USA Infrastructure: 15%5 of combined NA revenue4



- Source: US Census SAA. Forecasts based on an average of analysts' forecasts (July 17 and Aug 17) sourced from NAHB, MBA, Wells Fargo, NAR, Fannie Mae and Freddie Mac Source: Moody's Retail Sales of Building Products
 Source: Dodge Data & Analytics, Non-Residential Value of Work in constant 1992 dollars
 Source: Dodge Data & Analytics, US Ready Mix Outlook for Non-Building / Maintenance & Repair segments
 Source: Other accounts for 3% of Combined NA revenue

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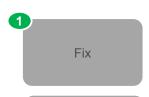
- **Business overview**
- **Market outlook**
- Strategic priorities
- **Meridian Brick Joint Venture**



Strategic priorities

Strong focus on delivering synergies





Execute

Transform

- Roll out world-class Boral safety culture
- Deliver significant value in synergies of US\$30 \$35m in year 1, increasing to >US\$100m by year 4
- On track to deliver US\$25m p.a. of cost synergies by year 4 from Meridian Brick joint venture
- Focus on employees, customers and channel partners
- Continue to drive margin enhancement
- Deliver Headwaters acquisition objectives
- Grow capabilities of Innovation Factory
- Develop and bring new products to market
- Invest in new composite and polymer manufacturing technology

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1 Integration well underway

Dedicated, internally-led team delivering on detailed integration plan



Progress on key integration activities

Safety

Customers

- Zero Harm message rolled out in HW sites
- Incidences trending down
- Customer outreach successful
- Customers welcome enhanced value proposition of combined entity
- Employees
- 60 sites visited by key leaders in 3 weeks
- Working through harmonizing benefits & policies
- Communications
- Strong focus during first 90 days
- Highlighted organization changes, integration quick wins
- Finance, IT and support services
- IT Roadmap underway
- Support service streamlined
- Business Units
- All BUs have developed detailed plans with approximately 80 synergy initiatives
- Fast tracking execution

Dedicated integration office

- Dedicated team driving communication & synergy capture
- Team led by VP of Integration with support from external consultants
- Working hand-in-hand with business unit integration teams

Early findings

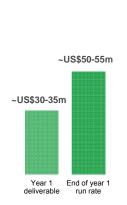
- Some work needed to close the gap between Boral and HW safety performance
- Post-close review confirms initial diligence assumptions
- Employees engaged and excited to be part of the integration journey

1 On track to deliver substantial synergies From complementary businesses and SG&A overhead savings



Targeted synergies¹

~US\$100m per annum within four years





Synergy sources and implementation costs



1. Synergies include cost synergies and estimated cross-selling and distribution revenue synergies, and exclude one-off implementation costs estimated at approximately US\$100 million

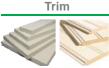
2 Investing in innovation

Headwaters acquisition opens a number of innovation opportunities



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Pre close **Deal closing** Post close **BORAL** HW HEADWATERS











Focused approach to improve our cost base and develop next generation product platforms

Boral Building Products



Boral Construction Materials



Agenda



- **Business overview**
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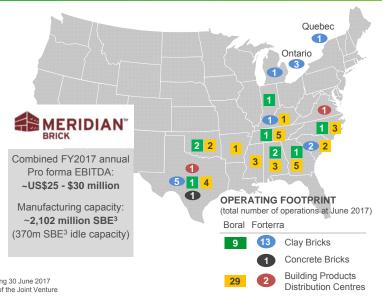
Update on the Meridian Brick joint venture

Forterra and Boral Bricks joint venture formed on 1 November 2016



Underlying result (for first 8 months of JV)		
US\$m	FY2017	
Revenue	282 ¹	
EBIT	(13) ²	

- Expecting cost synergies of ~US\$25m p.a. by year 4 through:
 - Plant network optimisation
 - Improved freight & distribution
 - Streamlined selling, marketing and administration costs
 - Procurement cost savings
- Delivering run rate of ~US\$8m p.a. at 30 June 2017
- 12 distribution centres and 6 plants permanently closed
- Quebec plant closure announced
- Represents 50% of the JV's revenue for a Pro forma 12 months ending 30 June 2017 Includes \$13m in non-recurring cash costs related to the integration of the Joint Venture Standard brick equivalent



Hurricane Harvey Update





- Employees: Safe (homes impacted)
- Texas market: ~25% of Boral North America's revenue
- Impacted Boral Facilities:
 - Katy Roof Tile
 - Alleyton Block, East Houston Block and Western Brick facilities
 - Houston Distribution Yard Meridian Brick

Sales:

- Lost sales for Block, Windows, Flyash, LBP and Roofing as customers and facilities impacted
- Raw material supply impacted
- Financial impact under review
- Boral is well positioned to support rebuilding efforts going forward

Houston



Katy Roof Tile



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BORAL NORTH AMERICA

Construction Materials

Keith Depew, Group President, Construction Materials



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Innovation Joel Charlton



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Construction Materials





Fly Ash



Block



Denver Ready-mix



Leading fly ash marketer

- 148 operational sites
- Only fly ash marketer operating nationally in markets across the US
- Cement demand growth of ~3% in FY2017¹
- Strong combined R&D capabilities

Leading Texas producer

- 6 plants in Texas and Louisiana
- Largest block producer in Texas
- Block growth of ~2% in FY2017²
- 3 owned distribution storefronts

Among top materials producers in Denver

- 6 plants and 2 aggregate sites³
- Completion of Franklin St. ready mix concrete
- Opened new sand and gravel aggregate operation in Ft. Lupton, CO





Source: Freedonia, Mat. Estimates One greenfield, permitted aggregate site included





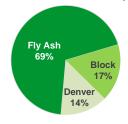
Construction Materials





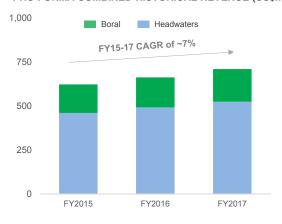
- Boral and Headwaters have enjoyed top line growth in FY17 as the economy continues to recover
 - Boral CAGR ~7% (FY15-17)
 - HW CAGR ~7% (FY15-17)
- Cement pricing trajectory provides opportunity in Fly Ash industry

FY2017 Pro forma business exposure



Construction Materials¹

PRO FORMA COMBINED HISTORICAL REVENUE (US\$m)



1. Based on Headwaters results for 12 months ended 30 September for FY2015 and FY2016, and 12 months ended 30 June for FY2017. Includes Block. Boral results for 12 months ended 30 June for all years

Construction Materials

Key initiatives to grow supply, expand applications and improve margins



Opportunities

- New fly ash contracts, expand supply / storage
- Expand fly ash site service footprint
- Expansion into new products/industries
- Expanded hardscape offering in Block business
- Margin improvement initiatives across all BUs

Immediate priorities

- ✓ Organization design and implementation
- ✓ Network optimization
- ✓ Price competitively
- ✓ New ash storage facilities
- Explore opportunities between Block and Meridian JV

Optimisation¹



Expand Ash Supply



Hardscapes



1. Conceptual only, refer to slide 53 for site map

Construction Materials



- Fly Ash Bill Gehrmann
- Block Bob Whisnant



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Fly Ash background

Utilities' coal combustion for electric generation produces fly ash



Utilities



 Coal makes up ~33%¹ of total fuel for energy generation in the USA

Coal Basins



 Key coal supply regions include Central Appalachia and Wyoming's Powder River Basin

Coal Fired Power Plants



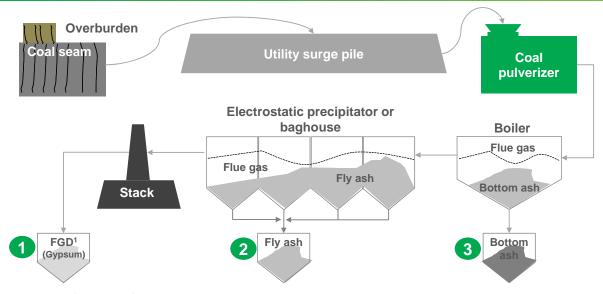
- ~500 power plants using coal as primary fuel source¹
- ~600m tons of coal were used in 2016¹

^{1.} Source: 2016 Energy Information Administration (EIA)

Coal Combustion Products (CCP)



Fly ash is one of 3 by-products generated from coal burning power plants



1. Flue gas desulfurization includes Gypsum and other materials

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CCP breakdown in 2015

~118 million tons produced, ~62 million tons utilized



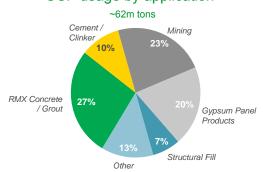
CCP production by type¹

~118m tons Fly Ash 38% 28% FGD including Gypsum 10% Bottom Ash Fluidized Bed Combustion

- ~118 million tons of CCP's produced in 2015
 - ~56 million tons were landfilled
 - ~62 million tons were beneficially used

ACAA 2015 Product Use Survey and management estimates

CCP usage by application¹



- Primary application by value is a mineral admixture to partially replace cement in ready mix concrete
- Other key applications include use in mining and in the production of cement

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Why Fly Ash?

- Fly ash is beneficial in multiple areas
- Improves concrete products' performance
 - Increases life span
 - Greater long-term strength and durability
 - More workable and pumpable
 - Mitigates problems caused by salts, chemicals, and some aggregates
- Cost savings
 - Generally less expensive than Portland cement
 - Ready mix producers motivated to maximize fly ash replacement
- Positive environmental impacts
 - Reduces landfill utilization
 - Displaces cement production, i.e. every ton of cement emits ~1 ton



Fly ash used in Roman Colosseum



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BORAL

Outlook for Fly Ash supply remains strong

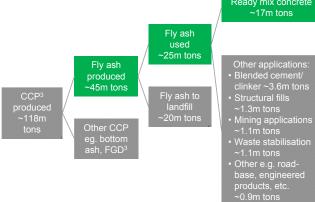
Initiatives to expand supply underway to meet growing demand

BORAL

Supply considerations

- Fly ash supply dependent on coal-sourced electricity generation1
- Regulations may change in the future, but coal expected to remain ~30% of the energy mix in USA2
- Currently ~45% of fly ash produced is land-filled
- Initiatives in place to increase sources of supply over medium to long-term:
 - Increase storage capabilities
 - Develop new fly ash beneficiation technologies
 - Assess long-term ability to reclaim ash
 - Explore opportunities to import

2015 American Coal Ash Association Volumes



Ready mix concrete

- Other fly ash source of supply includes ~1 billion tons currently landfilled (source: American Coal Ash Association)
- US Energy Information Administration (EIA) projects coal to account for 29% of total energy generation in US in the next ten years CCP is Coal Combustion Products; FGD is flue gas desulfurization which includes gypsum and sludge

Diverse market segments tied to concrete usage



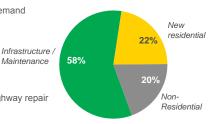
All end markets expected to trend up over next 12 months

Infrastructure



- Roads / Highways / Bridges
- Oil Field / Drilling
- Soil Stabilization
- ~42% of US demand

Fly ash segmentation²



New Residential

- New home foundations and sidewalks
- ~22% of US demand



Repair & Maintenance



Roadway / Highway repair

Maintenance

- Bridge repair
- ~16% of US demand

Non-residential



parking lots / decks - ~20% of US demand

- Source: McGraw Hill / Dodge, management estimates 20 Year weighted history; Source: Dodge and management estimates

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Fly Ash is a growth business

Demand continues to expand in Ready Mix and next generation applications



Demand growth opportunities

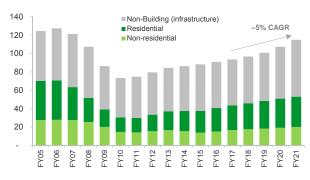
- Potential to expand substitution rates in concrete, currently ~16% (~50% in European markets¹)
- Cement growth forecast² at ~5% CAGR FY2017 21
- Exposure to increasing US infrastructure spend

US Infrastructure Report Card³

Туре	Grade
Dams	D
Aviation	D
Bridges	C+
Rail	C+
Roads	D
Levees	D
Transit	D-
Overall Grade	D+

Estimated infrastructure investment needed by 2025 is US\$4.6 trillion

Cement demand (millions of tons)²



CAGR of ~5% from FY2017 – FY2021, growth fairly even across 3 segments

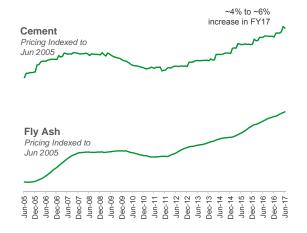
- Management estimates
- Portland Cement Association: May 2017 Market Intelligence Report 2017 American Society of Civil Engineers, Infrastructure Report Card

Product pricing





CEMENT AND FLY ASH PRICING¹



- 1. Estimated industry fly ash ASP, cement ASP: Bureau of Labor Statistics (PPI Indexed to June 2005)
- 2. Approximate range represents cement replacement quality fly ash

PRICING DYNAMICS

- Primary Fly Ash pricing (~\$25 \$75/ton)² tends to follow cement pricing (~\$90 - \$150/ton) for the Ready Mix market
- Fly Ash pricing gap to cement represents opportunity
 - Regional supply constraints impact gap
- Pricing dependent on right place, right time, right product
- Non Traditional applications present unique opportunities to increase value / pricing of Fly Ash
 - High strength applications
 - Filler applications
 - Technical engineering applications

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Fly Ash: Marketer's value chain

Manage two relationships: 1) utilities, focus on cost; 2) end user, focuses on quality and availability



Utilities End Users Utility Marketer Marketer **End User** Marketer's Value Connect the Electricity Demand Quality Material Supply / Freight Consistent Quality Utility to End User Low cost production Availability ASP Landed Cost Volume / royalties Royalty Implications Consistent Supply Low capital

- Utilities motivated by production costs & demand
- Marketers motivated by:
 - Manageable royalties and minimum volumes
 - Supply availability (seasonality)
 - Consistent quality

- End users seek:
 - Low landed cost, consistent supply and quality
- Marketers motivated by:
 - Consistent supply, competitive freight

Business position

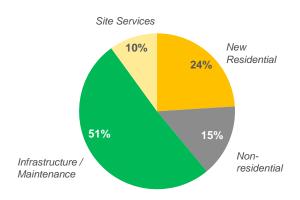


BORAL

Snapshot of Boral's position

- Pro forma FY2017 revenue of ~US\$490m p.a.
- Supplies >7.5m tons p.a.¹ of fly ash to US construction industry – predominantly ready mix concrete industry
- National and assorted supply / distribution footprint with ~148 operational sites
 - 84 fly ash supply, 8 Gypsum supply, 27 service only sites, and 29 distribution terminals
- Leading fly ash beneficiation technologies
- Strong reputation with utilities & fly ash customers, with excellent quality, safety, environmental track record
- National coverage, ash sales in 48 states

Sales by market segment²



- 1. Supply reflects pro forma FY2017
- 2. Source: Management estimates on pro forma FY2017 numbers

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BORAL

Our value proposition

Four main ways value is created

Fly ash sources:

- a coal fired utility where fly ash is produced
- product transported by Boral to customers or a terminal
- these sites can also include site services

Fly ash terminals:

- material is trucked or railed from a source to terminal
- may accept ash from one or multiple sources
- customers may pick up material directly from a terminal or Boral may transport to customers
- Also serves as storage





Deely / Spruce

Services only sites:

- managing landfills for utilities (construction, placing material, closing)
- other activities include equipment maintenance, construction and other services for utilities

Synthetic Gypsum sources:

- another by-product from the utilities, used in gypsum products
- Boral manages operations, site services, quality control, dewatering and material handling, with small marketing component
- Larger, fewer customers often have direct contracts with utilities

Fly Ash: Our footprint

An attractive, sustainable business

BORAL

Contracts and services¹

- Products make up ~90% of revenue
- Site services make up ~10% of revenue
- Fly Ash supply and site service contracts with utilities, terms range from ~5 to 15 years
- Industry practice is to pay utilities royalty based on revenues

Competitors







FlyAshDirect.









- Management estimates as at 30 June 2017
 Excludes 23 throughput / toll locations, across 15 states

Boral's position across the US



- Fly ash source1
- Services only
- Terminal 2
- Synthetic gypsum sources

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Opportunities

High synergy expectations, currently being executed

BORAL

Fly Ash synergy drivers

Targeted year 1 run rate US\$ per annum

Within 4 years US\$ per annum

Post optimization

right product.

Right source, right time,

Ash Supply / network optimisation / logistics

Procurement

Sales coverage expansion & high value product growth - Boral faces local supply constraints in some locations, HW has ability to supply Organizational efficiencies - e.g. consolidating finance systems and overlapping sales coverage, engineer support and operations Other including technology / R&D

~\$12m Total >\$24m

Synergy spotlight: Optimization¹

Customer layout

Sub-optimum sourcing after combination of supply network



1. Maps including sourcing and customers conceptual only to illustrate synergy opportunity

Fly ash strategic priorities

Maintain, Leverage, GROW

BORAL

- 1. Maintain current position in market
- <u>Leverage</u> synergies and combined capabilities/offerings
- **3. GROW** business through technology, expertise, innovation





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1. Strategic priority - Maintain

Managing relationships through the chain is crucial for sustainable success



Managing utility relationships

- Some contracts date back to 1970's
- Long-term relationships with most utilities:
 - Most contracts have original terms of 5 to 10 years, we strive to extend contracts before they expire
- Site service contracts typically shorter, 3 to 5 years
- Deep industry knowledge and strong footprint a key value in contract extensions

Managing end user relationships

- Managing two key functions is critical to maintaining customers
 - Consistent quality: managing changing coal sources that impact ash quality
 - Consistent supply: managing through seasonality and utility outages



ind Users



2. Strategic priority - Leverage

Improve efficiencies and optimize network



Leverage consistent supply

- 1. Utilize recently installed storage
 - Capture off-season production
 - Minimize impact of seasonality and utility disruptions
- 2. Capital to increase loading efficiency
 - Faster turns equate to more throughput
- 3. Beneficiation technology
 - RestoreAir®, PACT®, new technology

Leverage margin maximization

- 1. Optimize combined network
 - Right place, right time, right product
 - Utilize blending

Storage







Boral PACT®



RestoreAir®

HW

Next Application



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3. Strategic priority - GROW

Invest in storage and technology to increase supply and grow demand



Grow supply

- 1. New supply
 - Secure new contracts
- 2. Wet to dry collection
 - New regulations are phasing out wet collection
- 3. Reclaim ash
 - Mined, classified, dried, sold into concrete market

Grow demand

- Increase cement replacement rates into Ready Mix industry
 - Customer education, grow ~16% rate
- 2. Composite / Engineered products
 - TruExterior® Siding & Trim
- 3. High value / classified ash applications

Secure supply contracts







Celceram®



Highly reactive pozzolans



Engineered products



Construction Materials



- Fly Ash Bill Gehrmann
- BlockBob Whisnan



Oversized Masonry Block on St. James Place in Houston, TX

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Block and Boral's portfolio





- 1. Strong capabilities in Texas, area of *high growth*
 - Largest block producer in Texas
- 2. Balances historical Boral US end market exposures
 - Demand driven by non-residential and retail segments
- 3. Variable cost based manufacturing
 - Ability to perform through the business cycle

2015 Analyst Visit, Portfolio Aspirations



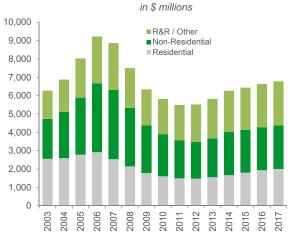
Headwaters Block strengthens our Texas product offering and diversifies our market segmentation

Brick, Block & Paver industry: Market size and segments



The Brick, Block and Paver industry is ~\$7 billion

Brick, Block, Paver demand^{1,2}



- Based on Freedonia and management estimates, represents market at underlying demand
- Freedonia 2014, Bricks, Block, Pavers Report, plus management estimates

Market overview¹

- Overall market includes brick, block, and pavers; broadly weighted towards all three end markets (residential, non-residential, repair and remodel)
- Brick demand predominantly driven by residential segment
- Block demand more heavily tied to the nonresidential segment
- Paver demand predominantly driven by repair & remodel segment
- Texas estimated to be ~8% to 10% of overall market

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Brick, Block & Paver industry: Market segments

Well balanced market segments



Non-residential

~38%1

Repair & Remodel / Other

New Residential

~31%1

- Specification driven
- Longer sale's cycle
- Higher price and margin
- State sponsored projects, e.g. schools, critical to success
- Hardscape a growing market
- Strong margins
- Retail channel, Big Box critical
- Foundation products, strong margins
- Cyclically driven
- Production builder
- Lower price / margin (block)
- Primarily multi-family (block)





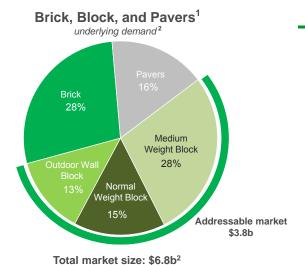


^{1.} Freedonia 2014, Bricks, Block, Pavers Report, Management Estimates; represents market at underlying demand

Brick, Block & Paver industry: Product categories



Block represents ~56% of the total industry



Product positioning

- Block competes in the cladding and hardscape industry
- Cladding position:
 - Block considered a premium cladding
 - Predominantly used in non-residential segment
- Hardscape position:
 - Staple in expanding hardscape industry
 - Mainly tied to repair and remodel segment

Freedonia 2014, Bricks, Block, Pavers Report, management estimates Underlying demand assumed to be average of prior 15 years, 2003 - 2017

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Brick, Block & Paver industry: Product categories



Multiple offerings from basic masonry units to high-end non-residential block













lardscape



Concrete Paver

Clay Pavers

Cost and perceived value

Boral Block: A regional leader in Block

Leading position in the Southwest



Key product offerings

Oversized







Keystone®1

Versa-Lok®2





Paver

Foundation Repair





- Registered Trademark of Keystone Retaining Wall Systems LLC

Business footprint

Block Manufacturing Distribution Center

- 6 manufacturing sites, 5 operational
- Largest block producer in Texas
- New plant commissioned in 2016

Key competitors









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Boral's position is unique

A regional leader in Block in the southwest



The business can perform through the cycle and generate higher margins than industry peers

Competitive advantage

Continually expanding product offerings Located in high growth Texas market

- Big Block machine created new markets and customers
- Investment in machine creates competitive advantage

Unique footprint

- Largest manufacturer in Texas
- · Plant locations strategically located near key MSAs1
- Lowest landed cost to majority of large MSAs' non-res work

Channel diversity

- Contractors prefer Boral through custom product lines
- Retail presence in key markets drive vertical integration
- Strong relationship with Big Box channel



Big Block in Alleyton, TX









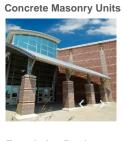
1. Metropolitan Statistical Area

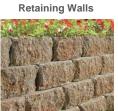
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Boral Block: End markets & products

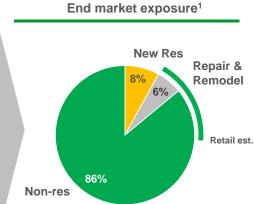


Larger end-market exposure to non-residential and retail (Big Box)









Foundation Products





Stepping Stones



Retail (Big Box) customers serve both the R&R and non-residential market segments

1. Source: Management estimates on pro forma FY17 numbers

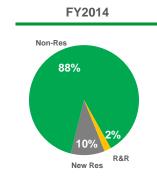
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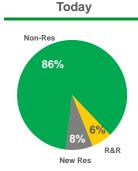
Diversify and Grow

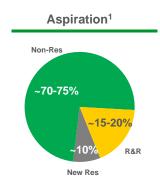
Aspiring to grow in attractive Repair & Remodel segment



Expanding Big Box & hardscape exposure can transform business and provide future growth in Texas















Vertical integration

We are focused on maximising margins through resale

BORAL

Owned storefronts allow Boral to sell ancillary products with strong margins

mpi

Materials Product International, Inc.

- Headwaters purchased in 2015
- Strong supplier relationships
- 2 Store-fronts in Austin, TX
- 3rd largest block distributor in central Texas, Home Depot / Lowes leaders
- Strong Custom project portfolio, including Toyota Center in Houston



Western Brick Company

- Headwaters purchased in 2010
- 1 Store-front in Houston, TX
- Design center: one stop shop for masonry products











Brick



Conc



Concrete Stain



Flooring Stain







Tools



Pave

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Boral Block: Strategic opportunity

Exploring opportunities to work with Meridian JV

BORAL

Meridian Brick JV

- Strong position in new residential construction
- One stop-shop for residential cladding
- Distribution in key metro areas in Texas and Oklahoma
- Product lines tangential







Block position

- Strong position in non-residential with remodel outlets
- Broad product portfolio for total market
- Manufacturing diversified in architectural, commercial, residential, outdoor living
- Retail (Big Box) relationships









Block, a growth opportunity

Maintain leading regional position and grow



Strategic fit

- Strong capabilities in Texas, area of *high* growth
- ✓ Balances historical Boral US end *market* exposure
- √ Variable cost based manufacturing

Key focus areas

- 1. Implement Zero Harm Today
- 2. Expansion of hardscape position
- 3. Explore growth opportunity; footprint and product offering
- 4. Maintain leading competitive capabilities in non-residential and retail segments
- 5. Vertical integration through resale
- 6. Meridian JV opportunity
- 7. Applying Lean principles and best practice manufacturing processes from other businesses

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BORAL NORTH AMERICA

Building Products

Chris Fenwick, Group President, Building Products

Joel Charlton, Group President, Windows & Innovation



Agenda



Introduction, Strategy and Outlook Mike Kane

Boral North America Overview David Mariner

Construction Materials Keith Depew

Building Products

Innovation Joel Charlton



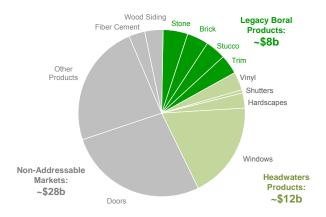
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Building Products: Transformational step



BORAL

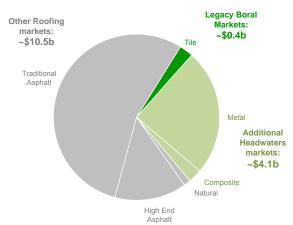
USA cladding and exterior market¹



Total market size: ~\$48b1

- Source: Market analysis, McGraw Hill housing starts, NAHB, management estimates Source: Management estimates, Freedonia, BCC Research

USA pitched roof market²



Total market size: ~\$15b2

Building Products



Portfolio of industry leading businesses with significant synergies

Stone



Leading provider of stone veneer

- 8 manufacturing plants
- 3 mold facilities
- Brands: Eldorado®, Cultured Stone®, Dutch Quality®, StoneCraft™, ProStone®, Versetta®



Eldorado®, Stone

Roofing



Top provider of concrete & clay tile in key regions

- 15 manufacturing plants
- 10 distribution sites
- Brands: Boral®, US Tile®, Entegra®, Gerard®, Metro®, Allmet®, Inspire®



Inspire®, Roofing

Light Building Products



Siding & trim, shutters & accessories, tools

- 8 manufacturing plants
- Brands: Mid-America®, TruExterior®, Kleer®, Versetta®, Foundry™, Grayne®, Atlantic Premium®





Regional vinyl and aluminium window manufacturer

- 3 manufacturing plants
- Brands: Krestmark®, Legacy™, Magnolia™



Mid-America®, LBP



Krestmark®, Windows

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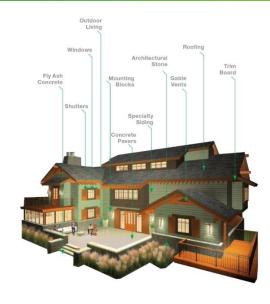
Building Products

Portfolio of products targeting the building envelope



Building product envelope

- Shutters
- Clay Roof Tile
- Windows
- Concrete Roof Tile
- Outdoor Living
- Composite Roofing
- Speciality Siding
- Metal Roofing
- Architectural Stone
- Bead Board
- Gable Vents
- Moulding
- Trim
- Roof Components
- Siding Accessories
- Stone Accessories

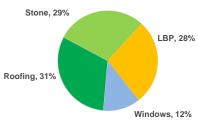


Building Products revenue

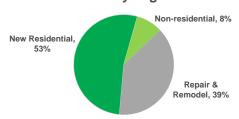


Pro forma revenue CAGR of 15% from FY2015 - FY2017 (excluding Bricks)





Revenue by segment



Building Products (Incl. Bricks)²

PRO FORMA COMBINED HISTORICAL REVENUE (US\$m)



- Boral 10% CAGR (FY2015-17) excluding Bricks
- HW 18% CAGR (FY2015-17) supported by several acquisitions
 - Metro®, SteelRock® Roofing in FY2016
 - Krestmark® Windows in FY2017
- Pro forma for the 12 months ended 30 June for FY2017, includes Windows post-acquisition results from August 2016. Excludes Bricks.

 Based on Headwaters revenue for 12 months ended 30 September for FY2015 and FY2016, and 12 months ended 30 June for FY2017, includes Windows post-acquisition results from August 2016.

 Boral results for 12 months ended 30 June for all years. Includes 50% share of Meridian Bricks JV underlying result for 12 months ended 30 June 2017

Building Products



BORAL

Opportunities

- Product portfolio, brand strategy and go to market strategy
- Margin improvement initiatives
- Manufacturing network optimization
- Back office conversion and consolidation

Immediate priorities

- Organizational design and implementation
- Procurement and cost savings initiatives
- Portfolio review and optimization
- Manufacturing assessment and optimization

Stone



Roofing



Light Building Products



Windows



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Building Products



- Roofing Scott Jackson
- Stone Brent Spann
- Windows
 Joel Charlton
- Light Building Products
 Brian Below



Metal Product Line: Gerard Barcelona Tile

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Roofing expansion

The new portfolio delivers on key strategic objectives



- 1. Expand geographic reach beyond the tile markets:
 - Now a true national roofing player, with some international markets
- Expand product offerings beyond clay and concrete tile:
 - Moved into the growing Metal and Composite categories
- 3. Diversify end-market exposure into non-residential and re-roof segments:
 - Combined position has a strong presence in the re-roof end segment

2016 Analyst Visit, Roofing Strategy



Headwaters Roofing offerings strengthen and transform Boral's position

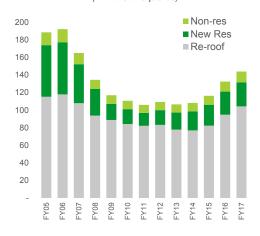
Roofing industry: Market size and segments



The pitched roof market is currently ~140 million squares

Market size¹

(millions of squares)



- Source: ARMA, NAHB, Moody's, Dodge, Management Estimates
- Source: ARMA, BCC, Management Estimates; represents size of market at underlying demand

North America market overview

- Large segment, ~140m squares
- Three primary pitched roof markets Re-roof, New Residential, and Non-residential
- Market supported (~70%) by large re-roof demand from +80 million aging single family detached homes in the USA
- Estimated at \$14.8 billion² annual spend
- All three segments expected to grow over the next 5 years1

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Roofing industry: Market segments

Re-roof construction, the most stable segment, drives demand



New Residential

~22%1

~70%1

~8%1

- ~1.2 million starts in FY17¹
- Cyclically driven
- Production builder
- Lower price / margin
- Less fragmented sale

Re-roof

- ~4.0 million roofs / year1
- Stable and growing due to aging homes and storms
- Re-roofer
- Higher price / margin
- Fragmented sale

Non-residential

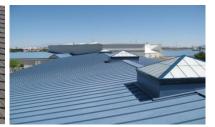
- Lower sloped applications
- Specification driven
- Longer sale's cycle
- Higher price and margin

insurance requirements

Less fragmented sale because of limited contractor options due to







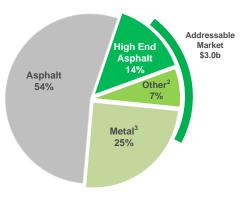
1. Source: ARMA, NAHB, Moody's, Dodge, Management Estimates; represents market at underlying demand

Roofing industry: Product categories



The pitched roof market is US\$14.8b1, Boral's addressable market is ~US\$3.0b

North America Pitched Roof Market¹



Total Market Size: \$14.8b1

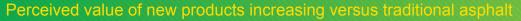
- Source: ARMA, BCC, Management Estimates; represents size of market at underlying demand Other: Concrete Tile, Clay Tile, Composite, Natural Wood Shake, Natural Slate Metal: includes Stone Coated Metal, Standing Seam Metal

North America product overview

- Asphalt roofing accounts for ~68% of the market size in North America
- Over last several decades, market has been converting to higher end asphalt from low end asphalt
- Other high end products include Tile, Metal, Composite, and Natural Materials (Slate / Wood Shake)
- Other high end products have been gaining share from standard and high end asphalt as market acceptance increases

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Roofing industry: Product categories







High End Asphalt



Advantages

- Long life
- Durable Sustainable
- Textures
- Colors
- Delivery
 - Metal
 - Composite

Stone Coated Metal



Concrete Tile



Clay Tile





Wood

Cost and perceived value

Boral Roofing: Strategic intent



Leverage new products to grow and diversify into new geographies and segments

Combined position

New geographies

- National player in the high-end roofing market
- Opportunity to leverage coverage for cross selling

New end markets & products

- Diversified portfolio allows for participation in broader roofing market
- Stepping into re-roof market in a more significant way
- Ability to leverage broad product offering to better serve customers

New customers

- · Channel diversification reaching new customer base
- Strengthening access to remodeling customers across the US and in international markets

Portfolio brands

















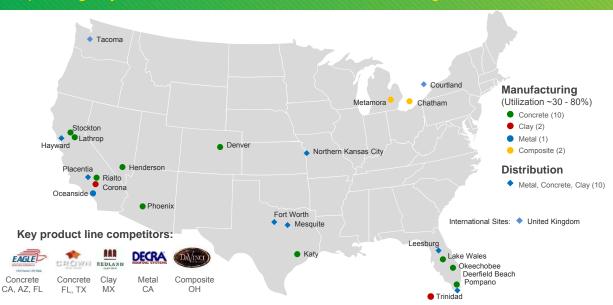


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Boral Roofing: New geographies

Expanding beyond 4 tile states with national manufacturing and distribution

BORAL®



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Boral Roofing: New end markets & products



Strong repair and remodel focus, balancing out our new residential exposure



1. Source: Management estimates on pro forma FY17 numbers

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Boral Roofing: New customers

Strong ties to custom and regional builders, production builders and re-roof installers





Boral Roofing: Synergy opportunities



Roofing business expected to generate >\$19m in synergies by year 4

Roofing synergy drivers

Targeted year 1 run rate
US\$ per annum

Within 4 years US\$ per annum

Procurement

Cross selling portfolio – e.g. re-sale products account for 20% of Boral Roofing sales, while Headwaters has minimal exposure Manufacturing and network optimization

Manufacturing efficiencies

Other including organizational efficiencies

Total

-\$10m
-\$19m

Entegra

Boral

Coverage map

Synergy spotlight: Florida consolidation

Acquired minority partner in JV (post close); now in full control

Rationalizing network ~1 plant to close, ~1 dist. to close

Increasing utilization of network

.....gg

Leverage combined salesforce, sales center & network

0.0

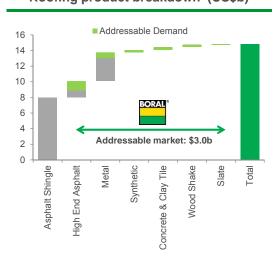
Distribution

Boral Roofing: Strategic fit in industry



New portfolio of highly complementary businesses, creating a stronger, balanced market position

Roofing product breakdown¹ (US\$b)



1. Sources: Freedonia, ARMA, Management Estimates

Complementary platforms









Composite

Clay Tile

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Roofing, a transformational step

Combined position deliver on key strategic objectives



Strategic objectives

- ✓ Expand geographic reach beyond the tile markets
- ✓ Expand product offerings beyond the clay and concrete offerings
- ✓ **Diversify end-market exposure** into nonresidential and re-roof segments

Key focus areas

- 1. Implement Zero Harm Today
- 2. Organizational design
- 3. Complete metal roofing plant consolidation, unlock future cross-selling
- 4. Expand selling opportunities of full offering
- 5. Focus on Florida consolidation and manufacturing network optimization
- 6. Enhance value to our customers; broader portfolio, better service, strengthened network

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Building Products



- Roofing Scott Jackson
- Stone Brent Spann
- Windows Joel Charlton
- Light Building Products
 Brian Below



Eldorado® Product Line: Dry Creek Stacked Stone

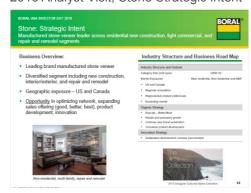
Stone: A strong combination positioned to grow



Combined positions deliver on key strategic objectives

- 1. Leading manufactured stone provider:
 - Strategically positioned manufacturing sites and largest distribution network
- Stronger brand portfolio with expanded opportunities for growth across broader distribution network
 - "Good, Better, Best" product offering
- Increased category awareness through marketing and new product development
 - Grow overall wall share and applications of stone
- 4. Expanded sales through Architectural specifications
 - Commercial and Builder account relationships

2016 Analyst Visit, Stone Strategic Intent



Headwaters Stone business helps transform Boral's Stone position

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Masonry industry: Market size and segments

The current market is +2,500 million square feet



Masonry market size¹ 5,000 4,500 4,000 3,500 2,500 1,000 1,000 500 Masonry market size¹ Non Res New Res R&R 1,000 1,500 1,000 1,000 1,000 1,000 1,000

Market analysis, NAHB for square foot, management estimates
 Source: NAHB, Principia, and management estimates; market size at Underlying Demand

North America market overview

- Large segment, +2,500m square feet
- Mainly driven by new construction but emerging outdoor living driving R&R growth
- R&R and Non Res more stable through the market cycle driven by home remodel projects and retail / commercial accents
- Stone estimated at ~\$2.3 billion² annual spend which includes manufactured and real stone

Masonry industry: Market segments

Higher exposure to new construction



New Residential

~49%1

Repair & Remodel

~16%1

Non-residential

~35%1

- ~1.2 million starts in FY17
- Cyclically driven
- Custom builder
- Regional pricing
- Less fragmented sale
- Limited exposure
- Expanding presence through hardscapes and interior remodel
- Fragmented sale

- Specification driven
- Longer sale's cycle
- Stronger price and margin
- Strong focus on schools, office and retail applications







1. Market analysis, NAHB for square foot, management estimates; represents market at underlying demand

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Masonry industry: Product categories

Stone competes at different value points in industry



Stucco Economical



Stucco Premium



Block



Brick



Thin Brick



- Advantages
- AestheticsDurable
- Low maintenance
- Sustainable
- Ease of installation
- Availability



Manufactured Stone

Manufactured Stone



Real Stone

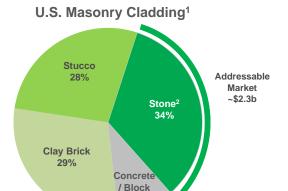


Cost and perceived value

Masonry industry: Product categories



The masonry cladding market is ~US\$6.9b1, Boral's opportunity is ~US\$2.3b



Total Market Size: ~\$6.9b1

1. Source: NAHB, Principia, and management estimates; market size at Underlying Demand

10%

2. Includes real and manufactured stone

North America product overview

- Brick and Stucco product categories account for ~57% of masonry cladding segment
- Stone, manufactured and real, account for ~34% of the segment, valued at ~\$2.3billion¹
- Residential recovery has led to a strong national builder market presence
- Manufactured stone veneer products continue to be highly desirable due to ease of installation, low maintenance and affordability

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Boral Stone: Strategic intent

Highly complementary businesses create a stronger position



Combined position

Manufacturing network

- Opportunity to optimize and leverage best practices
- Regionally positioned in key geographies

Products and distribution

- Diversified portfolio allows for participation at all value levels
- Leadership position in innovation
- Ability to leverage brand awareness on broader scale
- Broadest North American distribution

End market exposure and customers

- Sales across residential, remodel and non-residential
- Diversified distribution and customer base

Portfolio brands

Cultured Stone®





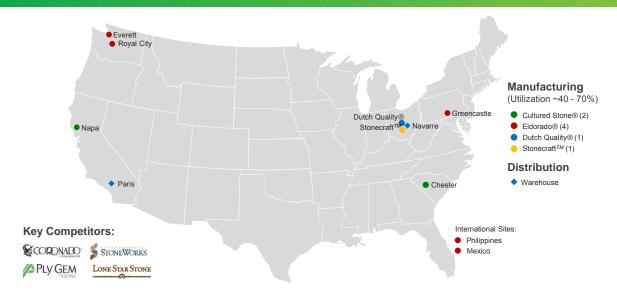


Boral ProStone

Boral Stone: Manufacturing positioned in key markets

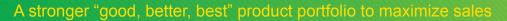


Leading position across the nation servicing all stone markets



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Boral Stone: Diversified portfolio





Low end Tier (Good)

Brands: Stonecraft™, ProStone®

- Streamlined product offering
- Value line, limited colors
- Priced competitively
- Strong regional players

Stonecraft™



ProStone®

Middle Tier (Better)

Brand: Dutch Quality®

- Streamlined product offering
- Consistent quality
- Competitively priced
- Strong regional player

Dutch Quality®



Upper Tier (Best)

Brands: Cultured Stone®, Eldorado®

- High authenticity and design
- Large selection of colors and textures
- Architecturally focused
- Available nationwide

Cultured Stone®

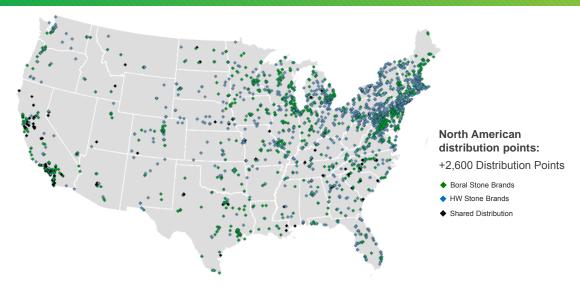


Eldorado® Stone

Boral Stone: Broad distribution reach

National distribution network services all markets





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Boral Stone: End markets & products

Diverse exposure to end markets



Cultured Stone®

Pro-Fit Ledgestone®



Eldorado® LedgeCut33®



Cultured Stone®



Eldorado® Outdoor Living



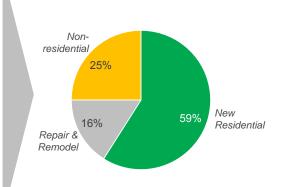
Dutch Quality®



Stonecraft[™] Heritage Collection



Boral end market exposure¹



1. Source: Management estimates on pro forma FY17 numbers

Boral Stone: Diversified customer base



Strong relationships with builders, architects and the mason



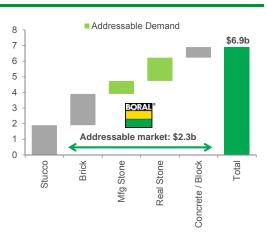
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Boral Stone: Strategic fit in industry

Complementary businesses reaching all levels of the market



Stone product breakdown¹ (US\$b)



Complementary platforms

	BORAL	HW
Product Offering		
Manufactured Stone	✓	✓
Geography	N. America	N. America
Brands	2	3
Premium Brands	1	1
Good / Better Brands	1	2
Outdoor Living	-	✓





^{1.} Market analysis at Underlying Demand, NAHB, Principia, and management estimates

Boral Stone: Synergy opportunities



Stone business expected to generate >\$29m in synergies by year 4

Stone synergy drivers

Targeted year 1 run rate US\$ per annum Within 4 years US\$ per annum

Plant network optimization

Sales coverage

Procurement

Manufacturing equipment

Other including organizational efficiencies

Total ~\$6m >\$29m

Opportunities

- Leverage best practices across manufacturing network
- Leverage product portfolio to increase customer solutions and profitability
- Maximize combined salesforce to improve customer experience and brand awareness

Synergy spotlight: Leverage combined sales coverage¹



- Optimize territory size, more efficient geographic coverage
- High customer focus, less time travelling

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Stone, Delivering on portfolio strategy

Combined positions deliver on key strategic objectives

BORAL

Strategic objectives

- Leading manufactured stone provider
- Stronger brand portfolio with expanded opportunities for growth across broader distribution network
- Increased category awareness through marketing and new product development
- Expanded sales through Architectural specifications

Key focus areas

- 1. Implement Zero Harm Today
- 2. Organizational design
- Enhanced go to market strategy, leverage portfolio to increase customer solutions
- Operational optimization, best manufacturing practices
- 5. Enhanced customer value, broader product "Good, Better, Best" offering

^{1.} Maps including sales rep locations conceptual only to illustrate synergy opportunity

Building Products



- Roofing Scott Jackson
- Stone Brent Spann
- Windows Joel Charlton/David Decker
- Light Building Products
 Brian Below



Krestmark® Windows

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Windows fit with Boral

New addition is a good fit and win for Boral



- 1. Production costs are *highly variable*
 - Ability to scale business to perform through the cycle
- 2. Low fixed cost asset base
 - Attributes to strong margins
- 3. **Customer base** well known across Boral
 - Strengthens relationships with key customers





North American windows & patio door industry

Southeast



A large national industry which has changed over time

Windows and patio doors geography¹ percentages based on market size by \$ value

Canada 10%

Northeast 15%

West 19%

Principia and management estimates, range represents market size at underlying demand

Southwest 12%

Market overview

- North American market estimated at ~\$8-10 billion¹
- 85% to 90% windows; 10% to 15% doors
- Large national players compete with regional and local businesses
- Industry consolidation has and continues to occur

Large competitors









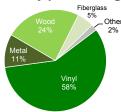
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Windows & patio door industry product segments

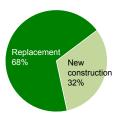
Vinyl and replacement windows are largest segments of the market



Demand by product segment¹



Demand by end use¹



Product segmentation

- Industry has shifted over time from wood to Vinyl
- As housing stock ages (+80m aging single family homes), replacement window demand to remain strong
- Single family homes (new and R&R) drives demand



Repair & Remodel



New Construction

Windows & patio door industry market segments



Market driven by new residential, single family construction

Single Family

~71%1

Multi Family

~23%1

Light Commercial

~6%1

- 1.2 million starts in FY17
- New construction with various quality preferences
- Repair and Replacement drives majority of volume
- Specialty products

- Longer sell cycle
- Standard products
- Low cost / competitive
- Specification driven
- Longer sale's cycle
- Custom orders







1. Principia and management estimates; represents market at underlying demand

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Boral Windows: Strategic fit

Headwaters acquired windows in 2016

BORAL

History

- 2004: Krestmark® founded, manufactured aluminum windows in Texas
- 2006: Developed new vinyl window product line
- 2014: Established Legacy Brand
- 2016: Acquired by Headwaters
- 2017: Pre-close acquisition of Magnolia[™] Windows in Georgia





Geographic footprint



- Regional focus mainly in Texas and Georgia
- Roughly 700 mile distribution footprint connects plant network
- Sales in 14 states across the southwest and southeast regions

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Boral Windows: Value chain





Manufacturing network

Distributors











Focus since 2004 founding has been on serving new home construction, building long relationships with reliable, on time service

Installers



Production Builder









Remodelers



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Boral Windows: End Markets & Products

Full product portfolio to service the market



Standard Vinyl



Patio Doors



Impact Vinyl





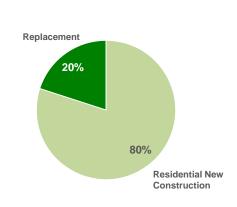
Specialty



Custom



Boral Windows end market exposure¹



End market exposure reflects go to market strategy since founding

Boral Windows: Strategic priorities



Vision: "Raising the bar in the windows industry with quality and service"

Strategic objectives

- ✓ Production costs are highly variable, ability to scale the business
- ✓ Low fixed cost asset base, margins above industry average
- ✓ Customer base well known, allows increased share of wallet from large builders in growth areas

Key focus areas

- 1. Implement Zero Harm Today
- Leverage value to customer, "local" service model is successful
- 3. Relocate Magnolia™ Facility, preparation for growth in Southeast
- 4. Growth Opportunities
 - Geographic reach around current assets
 - Repair and remodel / replacement window segment

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... Continuing into DAY 2









BORAL NORTH AMERICA

Building Products

Chris Fenwick, Group President, Building Products

Joel Charlton, Group President, Windows & Innovation



Building Products



- Roofing Scott Jackson
- Stone Brent Spann
- Windows
 Joel Charlton
- Light Building Products Brian Below



Kleer®, Atlantic Premium®, Mid America®

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Why Light Building Products (LBP)?

LBP delivers on all strategic portfolio priorities



- 1. Transform from *high cost / fixed asset* based portfolio:
 - LBP has lower cost / asset base and is in emerging sustainable industries
- 2. Diversify Boral's heavy reliance on *new residential*:
 - LBP has high correlation to stable repair and remodel segment
- Evolve Boral's reliance on maturing markets / categories:
 - Emerging LBP products are still penetrating market and taking share from traditional products
- Leverage distribution footprint to accelerate penetration of newer products (eg. TruExterior® Trim & Siding)

2015 Analyst Visit, Portfolio Aspirations



Headwaters LBP business is major step in transforming portfolio

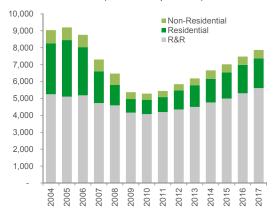
LBP Industry: Market segments



The siding and trim market is currently ~8 billion square feet

Market size1,2

(millions of square feet)



- Market analysis, NAHB for square foot, Principia for value, and management estimates
- Excludes shutters, accessories, and tools Market analysis, NAHB, Principia, and management estimates; represents market at underlying demand

Market overview

- Large market, ~8 billion square feet
- Three primary trim and siding segments repair and remodel, new residential, and nonresidential
- Market supported (~68% in FY17) by large repair and remodel demand from +80 million aging, single family detached homes in the USA
- Estimated at ~US\$7.9 billion3 annual spend
- All three segments expected to continue growth trends over next 12 to 24 months4

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LBP Industry: Market segments



Repair & remodel drives construction, creating stable demand through the cycle

New Residential

~24%1

Repair & Remodel

~68%1

~8%1

- ~1.2 million starts in FY2017
- Cyclically driven
- Custom, production & regional builder
- · 2-step, 1-step

- Stable and growing due to aging homes and harsh weather
- Siding installer, contractor
- 2-step, 1-step, retail
- Fragmented end user

Non-residential

- Specification driven
- Longer sale's cycle
- 2-step, 1-step







LBP Industry: Product categories



The total market is ~US\$7.9b1, Boral's addressable market is ~US\$3.3b

Wood and wood like replacement^{1,2}

(US\$ million)



Total market size: \$7.9b1

Product overview

- Wood is market leader but comparative growth less than emerging composite and higher grade vinyl and fiber cement products
- Vinyl continues to gain against wood due to low cost installation and low maintenance
- Fiber Cement continues to maintain share among cladding and trim markets
- Composite materials show the highest potential with low cost / low risk solutions

Market analysis, NAHB, Principia, and management estimates; represents market at underlying demand

Excludes shutters, accessories, and tools market

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LBP Industry: Siding and trim categories



Categories range from low end wood to high-performance composite materials

Commodity Vinyl / Low end Wood



Wood

Fiber Cement / Engineered Wood



Advantages Durable



Specialty Vinyl

Poly Ash

Fiber Cement /



Low maintenance



- Aesthetics
- Profiles
- Sustainable



Poly Ash

PVC





Siding

LBP Industry: Shutters and accessories categories



Accessories are essential housing accents supplied into all Cladding markets

Decorative -Economic



Shutters

Accessories &

Decorative - Premium



Functional -Economic



Functional - Premium



Vents



Tools



Blocks



Window Wells





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What is Boral's LBP?

Our business consists of Siding, Trim, Shutters, Accessories and Tools



- Siding & Trim: Includes specialty vinyl, PVC, polyash and panelised stone offerings
- Shutters and Accessories: Includes decorative and functional shutters, and siding accessories (blocks, vents, etc.)
- Other: Siding tools and window wells



Siding



Trim



Shutters



Accessories



Tools



Window Wells

Boral LBP: Product categories



Supported by strong base of brands and multiple technologies

Category	Description	Primary material	Brands
Siding and Trim	Vinyl Siding	Vinyl	Foundry TM / Grayne®
	PVC Trim	Polyvinyl chloride (PVC)	Kleer®
	Poly Ash Siding / Trim	Polyurethane	TruExterior®
	Panelized Stone Siding	Concrete	Versetta®
Shutters and Accessories	Decorative shutters, vents, blocks	Polyvinyl chloride (PVC)	Mid-America®/ Builders Edge® / Vantage®
	Blocks and Mounts	Polyvinyl chloride (PVC)	Sturdimount®
	Functional Shutters	Composite	Atlantic Premium®
Other	Metal siding tools	Aluminum	Tapco® Tools
	Egress wells	Polyethylene	Wellcraft®















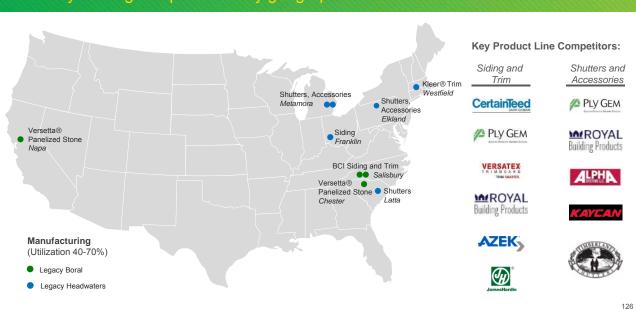


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Boral LBP: Manufacturing footprint

Industry leading competitor in key geographic markets





Boral LBP: Value chain

National distribution across three channel categories



Manufacturing



Channel Partners (2-Step, 1-Step, Retail)













Builders, Installers, **Contractors and DIY**





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Boral LBP: End market exposure

Diversified end markets led by stable repair and remodel segment



New Res

35%



Siding, Trim1

Panelized Stone



Versetta®. Plum Creek

Composite Siding, Trim



TruExterior®, Siding / Trim

Non-res 1% 64%

Repair & Remodel

Boral end market exposure³

Functional Shutters

Grayne®, Lakeside Blue



Decorative Shutters

Mid-America®, Standard



Tapco®, SturdiMount®

- Siding & Trim materials include poly-vinyl, stone, poly-ash Accessories include specialty metal tools, window sills, mounts, vents, blocks Pro forma FY2017 sales split per management estimates

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Boral LBP: Strategic fit in the industry



Products well positioned to play in multiple categories

LBP product breakdown1 (US\$m)

9,000 8,000 7,000 6,000 5,000 4,000 3,000 2,000 1,000 0 Market opportunity: \$3.3b Otherwise Poportunity: \$3.3b

Complementary platforms

	BORAL*	HW	
Product Offering			
LBP offering	✓ emergent	✓ scaled & mature	
Geography	national	national	
Market segments	R&R, new res, non-res	R&R, new res, non-res	
Emerging technology	✓	_	

1. Market analysis, NAHB for square foot, Principia for value, and management estimates, represents market at underlying demand

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Boral LBP: Synergy opportunities





LBP synergy drivers

Targeted year 1 run rate US\$ per annum

Within 4 years
US\$ per annum

Procurement

Sales coverage, cross selling

Retail presence

Organisational efficiencies

Other

Total ~\$5m >\$11m

Synergy spotlight: Leverage combined sales teams to capture incremental sales

- Cross sell products via larger channel network
- Expansion in Big Box retail presence
- Leverage National Account relationships

Home Depot Exteriors Product Launch





LBP Delivering on portfolio strategy

Segment delivers on all strategic portfolio priorities



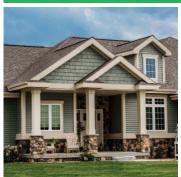
Strategic objectives

- ✓ Transform from high cost / fixed asset based portfolio
- ✓ Diversify Boral's heavy reliance on *new* residential
- ✓ Evolve Boral's reliance on maturing markets / categories
- ✓ Leverage distribution footprint to accelerate penetration of newer products (eg. TruExterior® Trim & Siding)

Key focus areas

- 1. Implement Zero Harm Today
- 2. Organizational design
- Align lean culture with best practices across network
- 4. Streamline brands, channel and products
- 5. Leverage operations and R&D resources
- Grow emerging products specialty vinyl, PVC trim, and Poly-Ash products to supplement mature products in portfolio

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BORAL NORTH AMERICA

Innovation

Joel Charlton, Group President, Windows & Innovation



Agenda



Introduction, Strategy and Outlook Mike Kane

Boral North America OverviewDavid Mariner

Construction Materials Keith Depew

Building ProductsChris Fenwick, Joel Charlton

Innovation
Joel Charlton

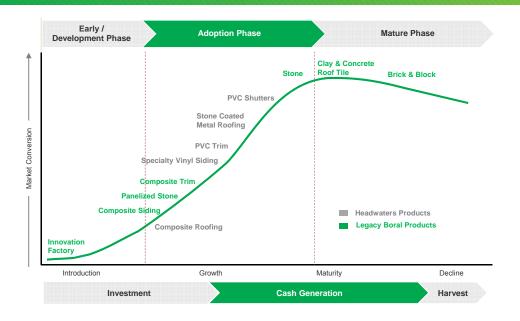


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Innovation: Fix

Headwaters complements Boral's product portfolio





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Innovation: Growth platforms



New Poly-Ash category continues to provide strong organic growth

Product	Application	Channel	End Markets	Strategy		
TRIM	Exterior	1-step and 2-step	New Res / R&R	New to world poly ash product Increased R&R exposure		
SIDING	Exterior	1-step and 2-step	New Res / R&R	Product portfolio expansion New category		
In-market pilot						
NEW	Interior	2-step, Pro-dealer, Retail	Primarily R&R	Entry point into interior building applications		
	interior			Reach new customers and new channels		

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Innovation: New growth opportunities

Headwaters acquisition opens a number of innovation opportunities



Pre close BORAL HWHEADWATERS Focused approach to improve our cost base and develop next generation product platforms Boral Building Products Ash Ash Boral PACT® HW RestoreAir® Boral Construction Materials

Strategic priorities & opportunities

Vision: "Delivering tomorrow's innovation today"



Strategic objectives

- ✓ Align with Boral's transformation strategy by accelerating growth through innovation
- Develop proprietary technology for competitive advantage, including cost advantage
- Respond to market trends with high performance, lighter weight, more durable, lower maintenance and more sustainable (eg. recycled content, low energy) products
- ✓ Maintain momentum launch a new product every year from the Innovation Factory

Key focus areas

- 1. Implement Zero Harm Today
- 2. Continue to expand Poly-Ash platform
- 3. Accelerate new product extensions
- Continuous improvement including to reduce material costs

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Boral North America well positioned to deliver synergies & growth



- Industry leading competitor with national footprint
- Significant synergies identified in Fly Ash, Stone, Roofing, Light Building Products and Corporate
- 3 Fundamentals signal healthy market growth over next 5+ years
- Grow from innovation by capitalising on network scale and investing in early stage products
- Strong management team with extensive industry experience and track record of integrating operations and realising synergies



Disclaimer



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