

February 27, 2017

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# Earnings Call Presentation

4<sup>th</sup> Quarter 2016

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Our disclosures in this presentation, including without limitation, those relating to future financial results market conditions and guidance, and in our other public documents and comments contain forward-looking statements within the meaning of the Private Securities Litigation Reform Act. Those statements provide our future expectations or forecasts and can be identified by our use of words such as “anticipate,” “estimate,” “expect,” “project,” “intend,” “plan,” “believe,” “outlook,” “target,” “predict,” “may,” “will,” “would,” “could,” “should,” “seek,” and other words or phrases of similar meaning in connection with any discussion of future operating or financial performance or the separation of our businesses. Forward-looking statements, by their nature, address matters that are uncertain and involve risks because they relate to events and depend on circumstances that may or may not occur in the future. As a result, our actual results may differ materially from our expected results and from those expressed in our forward-looking statements. A more detailed discussion of the risks and uncertainties that may affect our ability to achieve the projected performance is included in the “Risk Factors” and “Management’s Discussion and Analysis” sections of our reports on Forms 10-K and 10-Q filed with the U.S. Securities and Exchange Commission (“SEC”). Forward-looking statements speak only as of the date they are made. We undertake no obligation to update any forward-looking statements beyond what is required under applicable securities law.

In addition, we will be referring to non-GAAP financial measures within the meaning of SEC Regulation G. A reconciliation of the differences between these measures with the most directly comparable financial measures calculated in accordance with GAAP are included within this presentation and available on the Investor Relations page of our website at [www.armstrongceilings.com](http://www.armstrongceilings.com).

The guidance in this presentation is only effective as of the date given, February 27, 2017, and will not be updated or affirmed unless and until we publicly announce updated or affirmed guidance.

When reporting our financial results within this presentation, we make several adjustments. Management uses the non-GAAP measures below in managing the business and believes the adjustments provide meaningful comparisons of operating performance between periods. As reported results will be footnoted throughout the presentation.

- We report in comparable dollars to remove the effects of currency translation on the P&L. The budgeted exchange rate for 2016 is used for all currency translations in 2016 and prior years. Guidance is presented using the 2017 budgeted exchange rate for the year.
- We remove the impact of discrete expenses and income. Examples include plant closures, restructuring actions, separation costs and other large unusual items. We also remove the non-cash impact of our U.S. pension plan.
- Taxes for normalized Net Income and EPS are calculated using a constant 39% for 2017 guidance, and 2016 and 2015 results, which are based on the expected long term tax rate.
- Results throughout this presentation are presented on a continuing operations basis. As a result of the April 1, 2016 AFI separation, the majority of the AWI corporate support functions were incorporated into the Americas segment. Results throughout this presentation reflect the allocation of corporate costs into the segments and were held constant in 2015 for comparability purposes. Please refer to the Appendix for more information

## What Items Are Adjusted

	Comparable Dollars	Other Adjustments
Net Sales	Yes	No
Gross Profit	Yes	Yes
SG&A Expense	Yes	Yes
Equity Earnings	Yes	Yes
Operating Income	Yes	Yes
Net Income	Yes	Yes
Cash Flow	No	Yes
Return on Capital	Yes	Yes
EBITDA	Yes	Yes

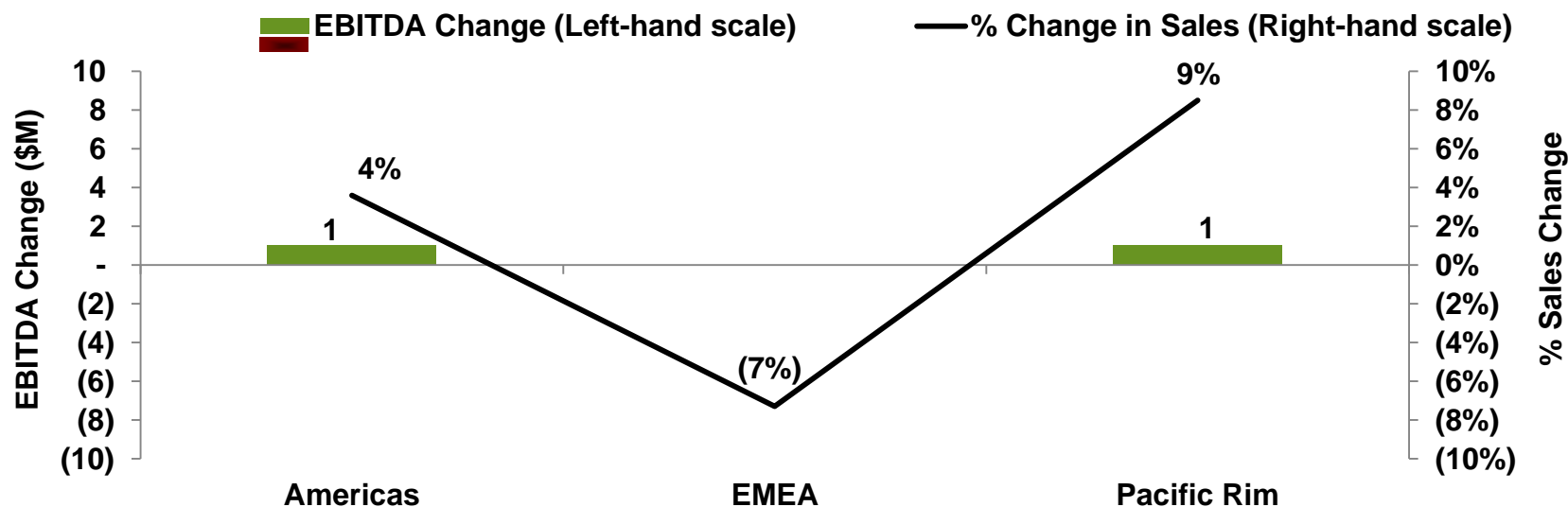
- ✓ Americas delivered constant currency sales growth of 4.3% - strongest since 2011
  - Volume was the largest contributor up 2.5% vs. PY representing the strongest volume performance since the downturn
  - AUV was positive driven by strong mix performance and solid “like for like” pricing
- ✓ Improved returns in International businesses - EBITDA up \$5M or ~29% VPY
- ✓ Implemented \$150 million share repurchase program demonstrating confidence in our strategic plan and future growth prospects
- ✓ Continued margin expansion and earnings per share growth
  - Adjusted EBITDA<sup>1</sup> margins expanded 130 bps to 25.5%
  - Adjusted earnings per share<sup>1</sup> of \$2.34 increased 36% vs. PY
- ✓ Successfully completed historic spin-off of the flooring business
- ✓ Delivered on earnings and FCF guidance provided at the beginning of 2016

(1) 2016 Adjusted EBITDA and Adjusted EPS excludes a) \$4M of pre-separation corporate expenses that will not reoccur in 2017, and b) pension expense

# Consolidated Company Key Metrics - Fourth Quarter 2016

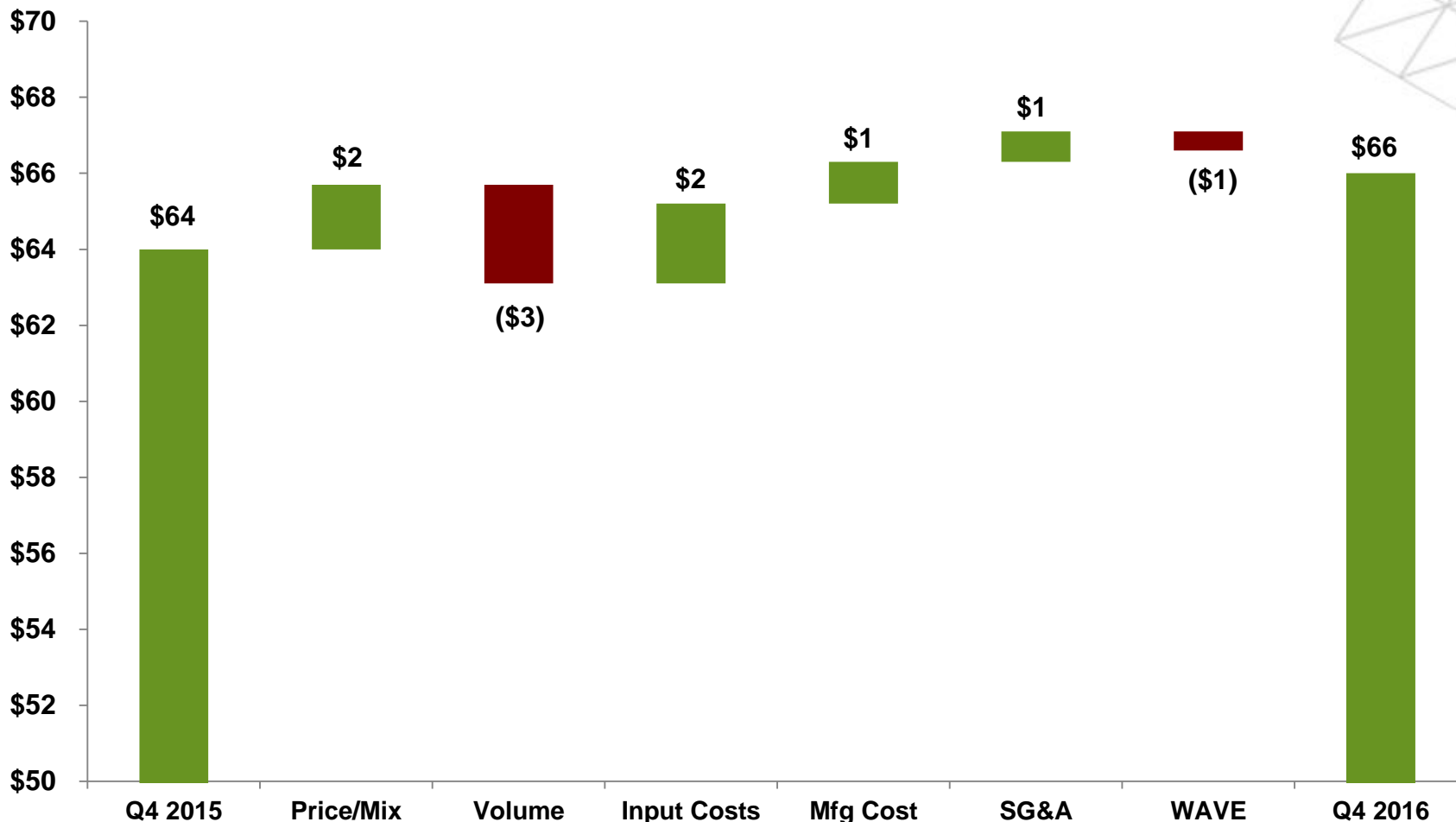
5

	2016	2015	Variance
<b>Net Sales <sup>(1)</sup></b>	\$303	\$299	1.5%
<b>Operating Income <sup>(2)</sup></b>	\$47	\$45	4.9%
% of Sales	15.4%	14.9%	50 bps
<b>EBITDA</b>	66	64	3.1%
% of Sales	21.8%	21.4%	40 bps
<b>Earnings Per Share <sup>(3)</sup></b>	\$0.45	\$0.29	56.3%
<b>Net Debt</b>	732	779	(47)

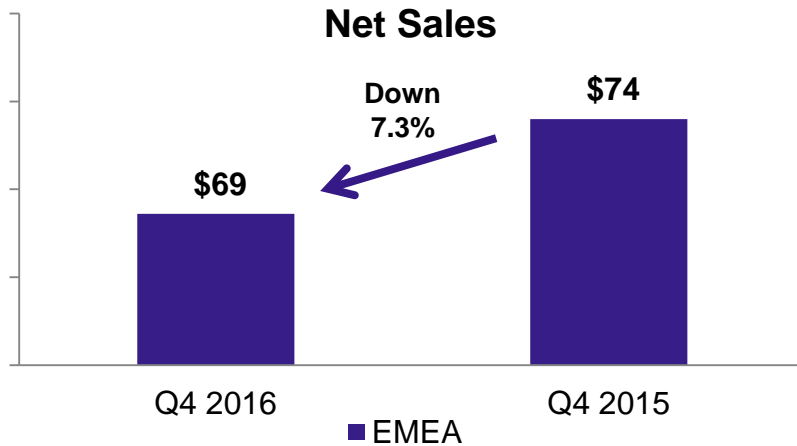


(1) As reported Net Sales: \$298 million in 2016 and \$297 million in 2015  
 (2) As reported Operating Income: \$40 million in 2016 and \$6 million in 2015  
 (3) As reported EPS: \$0.51 in 2016 and (\$0.25) in 2015

# EBITDA Bridge – Fourth Quarter 2016 vs. PY







## Key Highlights

- Excluding the unfavorable impact of foreign exchange of \$4 million, net sales decreased 7.3% driven mainly by lower volumes in the UK and the Middle East partially offset by continued growth in Russia.

### 2015 Q4 Adjusted EBITDA

\$2

AUV

(2)

The margin impact of lower sales in the UK and the Middle East

Volume

(3)

Driven by softness in the UK and the Middle East

Manufacturing & Input Costs

2

Deflation and productivity gains particularly in Russia

SG&A

3

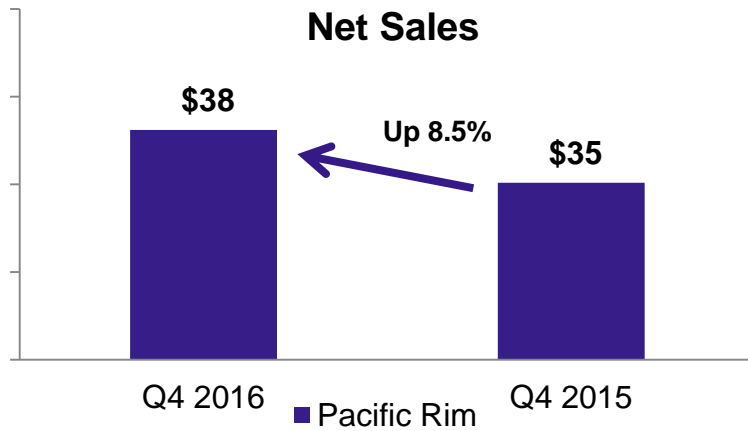
Cost control measures

### 2016 Q4 Adjusted EBITDA

\$2

Margins improved 10 bps driven by improvement in manufacturing & input costs along with cost containment efforts





## Key Highlights

- Excluding the unfavorable impact of foreign exchange, net sales increased 8.5% due to strength in Australia and China partially offset by weakness in India.

**2015 Q4 Adjusted EBITDA**                      **\$4M**

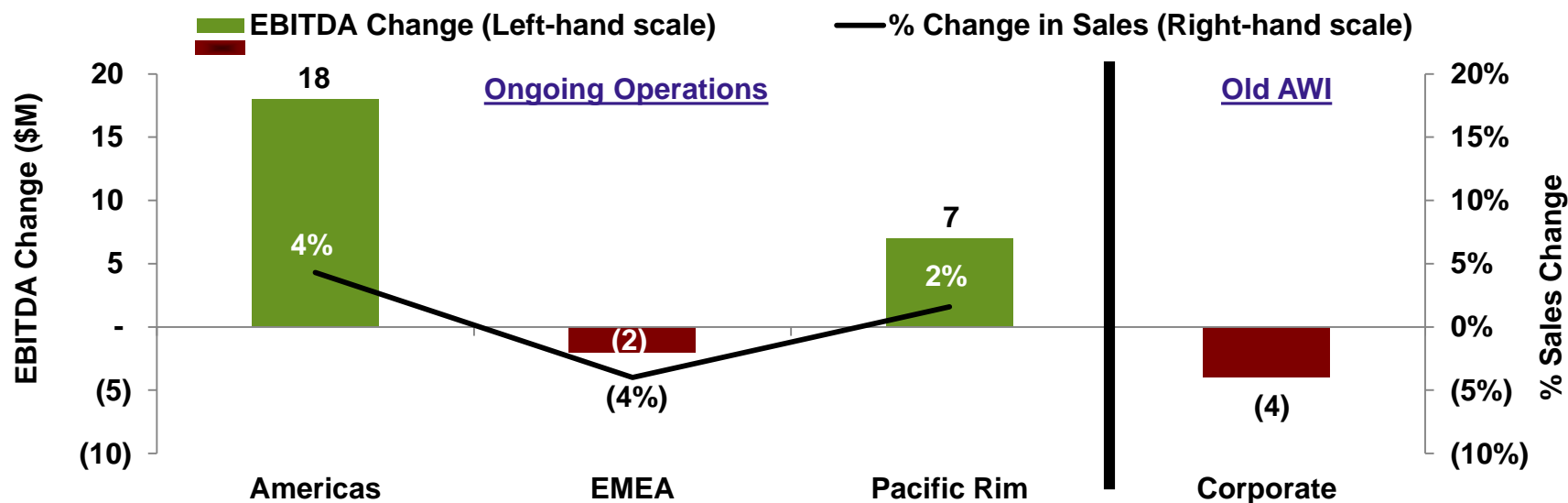
AUV	(1)	Like for like pricing was positive
Volume	1	Driven by strength in Australia and China
Manufacturing & Input Costs	1	Deflation

**2016 Q4 Adjusted EBITDA**                      **\$5M**

**Margins improved 110 bps driven by improvement in volume and manufacturing & input costs**

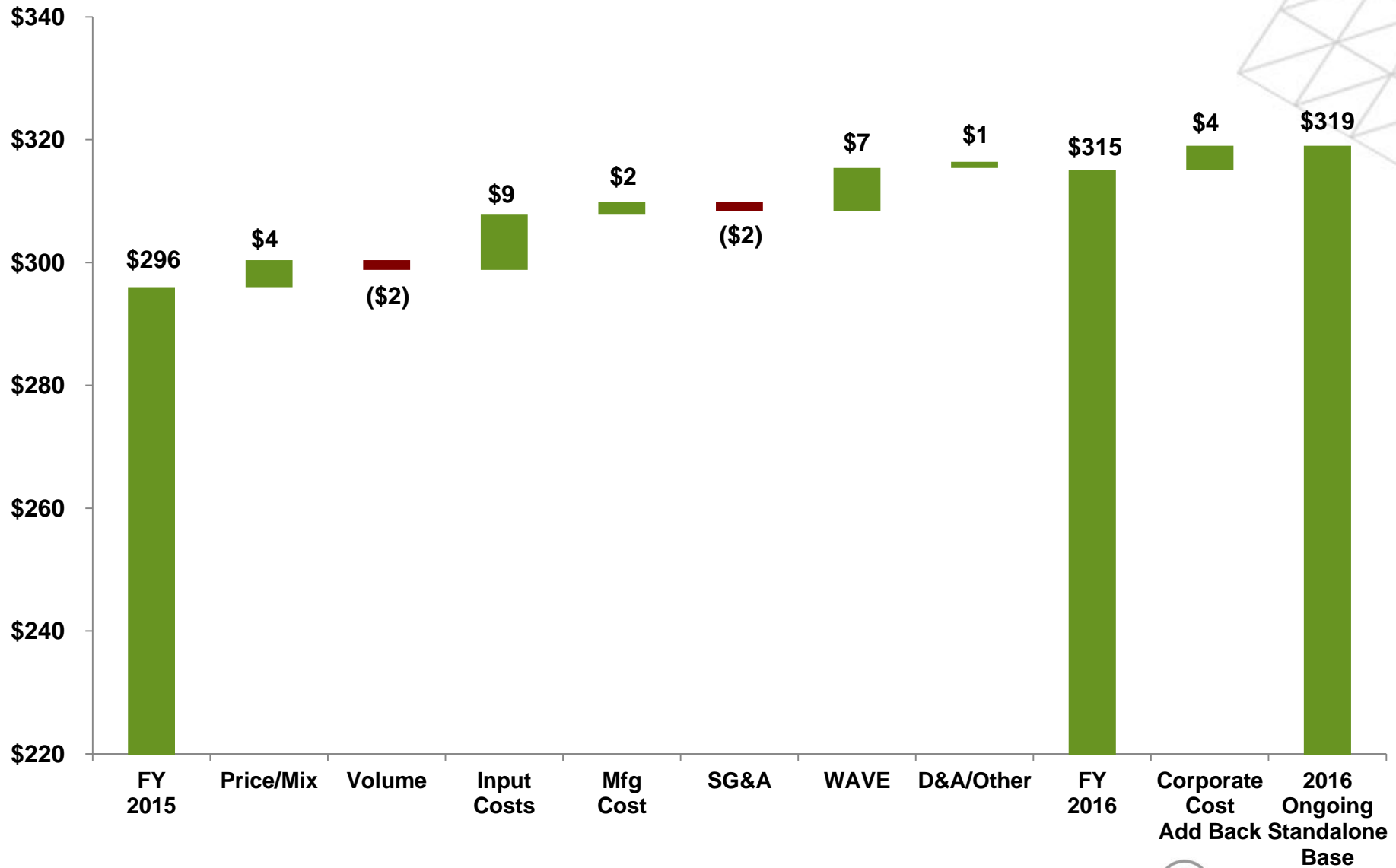
# Consolidated Company Key Metrics – Full Year 2016

	2016	2015	Variance
<b>Net Sales <sup>(1)</sup></b>	\$1,249	\$1,224	2.1%
<b>Operating Income <sup>(2)</sup></b>	237	218	8.5%
% of Sales	18.9%	17.8%	110 bps
<b>EBITDA</b>	315	296	6.4%
% of Sales	25.2%	24.2%	100 bps
<b>2016 Ongoing Standalone EBITDA <sup>(3)</sup></b>	319	296	7.8%
% of Sales	25.5%	24.2%	130 bps
<b>Earnings Per Share <sup>(4)</sup></b>	\$2.29	\$1.72	33.0%



(1) As reported Net Sales: \$1,235 million in 2016 and \$1,231 million in 2015  
 (2) As reported Operating Income: \$185 million in 2016 and \$141 million in 2015  
 (3) Excludes \$4 million of pre-separation corporate expenses that will not reoccur in 2017  
 (4) As reported EPS: \$1.68 in 2016 and \$0.47 in 2015

# EBITDA Bridge – Full Year 2016 vs. Prior Year



	<u>2016 Constant Currency Results at 16' FX</u>	<u>2016 Constant Currency Results at 17' FX</u>	<u>2017 Constant Currency Guidance at 17' FX</u>	
<b>Revenue<sup>(1)</sup></b>	<b>\$1,249</b>	<b>\$1,230</b>	<b>\$1,290 – \$1,320</b> <i>5% – 7% YoY Growth</i>	<ul style="list-style-type: none"> <li>▪ 3% – 7% North America volume growth</li> <li>▪ 0% – 4% International volume growth</li> <li>▪ 2% – 4% average unit value increase</li> </ul>
<b>Adjusted EBITDA<sup>(2)</sup></b>	<b>\$319</b>	<b>\$317</b>	<b>\$350 – \$360</b> <i>10% – 14% YoY Growth</i>	<ul style="list-style-type: none"> <li>▪ 3% – 4% earnings contribution from AUV and cost savings over inflation</li> <li>▪ Increased sales and marketing investments as a result of the Tectum acquisition and expansion of total solutions selling capabilities</li> <li>▪ SG&amp;A as a % of sales remains flat</li> </ul>
<b>Adjusted EPS<sup>(3)</sup></b>	<b>\$2.34</b>	<b>\$2.32</b>	<b>\$2.60 – \$2.70</b> <i>12% – 16% YoY Growth</i>	<ul style="list-style-type: none"> <li>▪ \$35 million of interest expense</li> <li>▪ Normalized 39% effective tax rate</li> <li>▪ 56 million average diluted shares outstanding</li> <li>▪ Cash tax rate 30% – 35%</li> </ul>
<b>Free Cash Flow<sup>(4)</sup></b>	<b>\$117</b>	<b>\$117</b>	<b>\$130 – \$145</b> <i>11% – 24% YoY Growth</i>	<ul style="list-style-type: none"> <li>▪ \$240 million cash flow from operations</li> <li>▪ \$100 million of total capital expenditures</li> <li>▪ Excludes cash paid for Tectum</li> </ul>

Note: Dollars in millions except per share values

(1) As-reported revenue of \$1,235 million in 2016. 2017 As-reported sales expected to have (1%) - (3%) FX headwind

(2) 2016 base excludes \$4M of pre-separation corporate expenses and pension expense; 2017 excludes pension expense

(3) 2016 base excludes \$4M of pre-separation corporate expenses and pension expense; 2017 excludes pension expense. As reported expected earnings per share in 2017 of \$2.85- \$3.00 impacted by an expected as reported effective tax rate of ~39%.

(4) No FX adjustment. See slide 17 for more details. 2016 excludes separation costs and other extraordinary expenses. Cash flow from operations includes dividends received from the WAVE JV.

# Appendix



- Tectum is a manufacturer of high-impact wood fiber acoustical panels and roof deck for the commercial and institutional construction industries with a history spanning over 65 years.
- Completed acquisition in January 2017
- FY 2016 annual sales totaled approximately \$25M
- Provides opportunity to significantly expand sales by leveraging our specification strength, best-in-class distribution systems and strong customer relationships
- Paid \$31.4M using existing cash on hand; multiple of under 7x EBITDA



Now from  
Armstrong Ceilings  
**TECTUM**<sup>®</sup>  
Wall & Ceiling Panels

Inspiring Great Spaces<sup>®</sup>

**Armstrong**<sup>®</sup>  
CEILING SOLUTIONS

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# Q4 2016 vs. PY - Reported Net Income to Adjusted EBITDA

15

	CONSOLIDATED			AMERICAS			EMEA			PACIFIC RIM			CORPORATE		
	2016	2015	V	2016	2015	V	2016	2015	V	2016	2015	V	2016	2015	V
<b>Net Income - As Reported</b>	\$29	(\$14)	\$43	-	-	-	-	-	-	-	-	-	-	-	-
Tax (Expense)	(\$6)	(\$2)	(\$4)	-	-	-	-	-	-	-	-	-	-	-	-
<b>EBT - As Reported</b>	\$35	(\$12)	\$47	-	-	-	-	-	-	-	-	-	-	-	-
Interest/Other (Expense)	(\$5)	(\$18)	\$13	-	-	-	-	-	-	-	-	-	-	-	-
<b>Operating Income (Loss) – As Reported</b>	\$40	\$6	\$34	\$43	\$59	(\$16)	(\$3)	(\$5)	\$2	\$2	(\$3)	\$5	(\$2)	(\$45)	\$43
Non-cash Impact of U.S. Pension	\$3	\$4	(\$1)	\$3	\$4	(\$1)	-	-	-	-	-	-	-	-	-
Separation Expenses	\$1	\$17	(\$16)	-	-	-	-	-	-	-	-	-	\$1	\$17	(\$16)
Cost reduction initiatives	\$1	\$7	(\$6)	-	-	-	-	\$2	(\$2)	\$1	\$5	(\$4)	-	-	-
Corp Cost Adjustment	-	\$9	(\$9)	-	(\$16)	\$16	-	\$1	(\$1)	-	(\$2)	\$2	-	\$26	(\$26)
Foreign Exchange Movements	\$2	\$2	\$0	-	-	-	\$1	-	\$1	-	\$2	(\$2)	\$1	-	\$1
<b>Operating Income (Loss) – Adjusted</b>	\$47	\$45	\$2	\$46	\$47	(\$1)	(\$2)	(\$2)	\$0	\$3	\$2	\$1	(\$0)	(\$2)	\$2
Depreciation and Amortization	(\$19)	(\$19)	\$0	(\$13)	(\$11)	(\$2)	(\$4)	(\$4)	\$0	(\$2)	(\$2)	\$0	(\$0)	(\$2)	\$2
<b>EBITDA – Adjusted</b>	\$66	\$64	\$2	\$59	\$58	\$1	\$2	\$2	\$0	\$5	\$4	\$1	(\$0)	\$0	\$0



# FY 2016 vs. PY - Reported Net Income to Adjusted EBITDA

	CONSOLIDATED			AMERICAS			EMEA			PACIFIC RIM			CORPORATE		
	2016	2015	V	2016	2015	V	2016	2015	V	2016	2015	V	2016	2015	V
<b>Net Income - As Reported</b>	\$94	\$27	\$67	-	-	-	-	-	-	-	-	-	-	-	-
Tax (Expense)	(\$50)	(\$53)	\$3	-	-	-	-	-	-	-	-	-	-	-	-
<b>EBT - As Reported</b>	\$144	\$80	\$64	-	-	-	-	-	-	-	-	-	-	-	-
Interest/Other (Expense)	(\$41)	(\$61)	\$20	-	-	-	-	-	-	-	-	-	-	-	-
<b>Operating Income (Loss) – As Reported</b>	\$185	\$141	\$44	\$232	\$284	(\$52)	(\$8)	(\$12)	\$4	(\$0)	(\$7)	\$7	(\$39)	(\$124)	\$85
Non-cash Impact of U.S. Pension	\$13	\$15	(\$2)	\$13	\$15	(\$2)	-	-	-	-	-	-	-	-	-
Separation Expenses	\$34	\$34	\$0	-	-	-	-	-	-	-	-	-	\$34	\$34	\$0
Cost Reduction Initiatives	\$4	\$7	(\$3)	-	-	-	-	\$2	(\$2)	\$4	\$5	(\$1)	-	-	-
Corp Cost Adjustment	-	\$20	(\$20)	-	(\$61)	\$61	-	\$5	(\$5)	-	(\$1)	\$1	-	\$77	(\$77)
Foreign Exchange Movements	\$1	\$1	\$0	-	(\$2)	\$2	\$1	\$2	(\$1)	(\$1)	(\$1)	\$0	\$1	\$2	(\$1)
<b>Operating Income (Loss) – Adjusted</b>	\$237	\$218	\$19	\$245	\$236	\$9	(\$7)	(\$3)	(\$4)	\$3	(\$4)	\$7	(\$4)	(\$11)	\$7
Depreciation and Amortization	(\$78)	(\$78)	\$0	(\$52)	(\$43)	(\$9)	(\$17)	(\$15)	(\$2)	(\$9)	(\$9)	\$0	-	(\$11)	\$11
<b>EBITDA – Adjusted</b>	\$315	\$296	\$19	\$297	\$279	\$18	\$10	\$12	(\$2)	\$12	\$5	\$7	(\$4)	\$0	(\$4)



	As Reported	AFI	Continuing Operations
Cash from Operations	\$49	(\$3)	\$52
Cash from Investing	(\$17)	(\$12)	(\$5)
<b>Subtotal</b>	<b>\$32</b>	<b>(\$15)</b>	<b>\$47</b>
Separation Costs	-	-	\$54
<b>Subtotal</b>	<b>-</b>	<b>-</b>	<b>\$101</b>
Interest Rate Swap Settlement	-	-	\$11
<b>Subtotal</b>	<b>-</b>	<b>-</b>	<b>\$112</b>
Environmental	-	-	\$5
<b>Free Cash Flow</b>	<b>-</b>	<b>-</b>	<b>\$117</b>

## Fourth Quarter

	2016 Reported	Comparability <sup>(1)</sup> Adjustments	FX <sup>(2)</sup> Adj	2016 Adjusted	2015 Reported	Comparability <sup>(1)</sup> Adjustments	FX <sup>(2)</sup> Adj	2015 Adjusted
<b>Net Sales</b>	298	-	5	303	297	-	2	299
<b>Operating Income</b>	40	5	2	47	6	37	2	45
<b>EPS<sup>(3)</sup></b>	\$0.51	(\$0.08)	\$0.02	\$0.45	(\$0.25)	\$0.52	\$0.02	\$0.29

## Full Year

	2016 Reported	Comparability <sup>(1)</sup> Adjustments	FX <sup>(2)</sup> Adj	2016 Adjusted	2015 Reported	Comparability <sup>(1)</sup> Adjustments	FX <sup>(2)</sup> Adj	2015 Adjusted
<b>Net Sales</b>	1,235	-	14	1,249	1,231	-	(7)	1,224
<b>Operating Income</b>	185	51	1	237	141	76	1	218
<b>EPS<sup>(3)</sup></b>	\$1.68	\$0.60	\$0.01	\$2.29	\$0.47	\$1.24	\$0.01	\$1.72

(1) See earnings press release and 10-K for additional detail on comparability adjustments. See slides 15 and 16 for more details.

(2) Eliminates impact of foreign exchange movements

(3) Adjusted EPS calculation excludes the one time impact of \$10.7M for charges to settle existing interest rate swaps due to separation refinancing