



## Koppers Holdings Inc. Reports Second Quarter 2017 Results

August 3, 2017

**Reported Q2 2017 Diluted EPS of \$0.90 Compares Favorably to Prior Year of \$0.57**  
**Adjusted Q2 2017 EPS of \$1.18 vs. Prior Year of \$0.93**  
**Company Increases 2017 Adjusted EPS Guidance to \$3.10 to \$3.30**

PITTSBURGH, Aug. 3, 2017 /PRNewswire/ -- Koppers Holdings Inc. (NYSE: KOP), an integrated global provider of treated wood products, wood treatment chemicals and carbon compounds, today reported net income attributable to Koppers for the second quarter of \$19.7 million, or \$0.90 per diluted share compared to net income of \$12.1 million, or \$0.57 per diluted share in the prior year quarter.



Adjusted net income and adjusted earnings per share (EPS) were \$25.8 million and \$1.18 per share for the second quarter of 2017 compared to \$19.4 million and \$0.93 per share in the prior year quarter, respectively.

Adjustments to pre-tax income totaled \$6.1 million for the second quarter of 2017 and \$10.0 million for the second quarter of 2016, which primarily consisted of restructuring expenses for both periods.

Consolidated sales were \$378.0 million for the second quarter of 2017, which were down 1.8 percent, or \$7.1 million, from sales of \$385.1 million in the prior year quarter. The Carbon Materials and Chemicals (CMC) segment reported higher sales volumes for carbon pitch and carbon black feedstock in most regions as well as higher sales of coal tar chemicals due to increased pricing for phthalic anhydride, partially offset by lower demand and pricing for creosote. The Performance Chemicals (PC) business experienced increased sales due primarily to higher North American sales volumes for copper-based wood preservatives and additives. The Railroad and Utility Products and Services (RUPS) business saw a decrease in sales due to lower sales volumes of crossties and railroad bridge services.

CMC operating profitability increased substantially from the prior year quarter primarily due to a lower cost structure as a result of ongoing benefits from restructuring initiatives, lower average raw material costs, and higher sales volumes and pricing in certain regions. PC's profit margins were unfavorably impacted by higher raw material costs, partially offset by benefits from higher sales. The results for RUPS were negatively affected by the continued weakness in demand for crossties and pricing pressures related to an ongoing inventory oversupply in the commercial market.

Commenting on the quarter, President and CEO Leroy Ball said, "The June quarter performance demonstrates our ability to continue delivering solid results while further advancing our wood technology strategy. I am encouraged by the ongoing strength in end-market demand that our Performance Chemicals business is seeing for its water-borne wood treatment preservative products, driven by a healthy level of spending in the repair and remodeling market. Adding to that momentum is a reenergized Carbon Materials and Chemicals segment showing substantial year-over-year improvement in all regions from a variety of factors including restructuring savings and a tighter market in China for carbon-based products resulting in higher pricing levels in our end markets throughout Australasia."

Mr. Ball continued, "I am also pleased by our strong seasonal cash generation that allowed us to reduce net debt by \$31.6 million during the quarter and lower our net leverage ratio to 3.5. Our disciplined approach to capital deployment is optimizing our financial flexibility which will give us greater options moving forward to increase shareholder value."

### Summary of Second-Quarter Financial Performance:

- Sales for RUPS of \$135.9 million decreased by \$28.5 million, or 17.3 percent, compared to sales of \$164.4 million in the prior year quarter. The lower demand for treated crossties and railroad bridge services is due to decreased spending in the rail industry across both the Class I and commercial markets. In addition, commercial crosstie pricing has been lower due to an industry oversupply of crossties. The negative impact from these factors was slightly offset by favorable volumes and sales mix of rail joint products. Operating margin for the second quarter was 8.1 percent, compared with 11.3 percent in the prior year quarter. Adjusted EBITDA margin for the second quarter was 9.9 percent, compared with 13.7 percent in the prior year quarter.
- Sales for PC of \$111.8 million increased by \$3.4 million, or 3.1 percent, compared to sales of \$108.4 million in the prior year quarter. The higher sales were primarily due to favorable market trends in the repair and remodeling markets and existing home sales as well as treated wood dealers stocking and selling treated wood with higher preservative retention levels. However, the profit margin was affected unfavorably due to increased raw material costs related to higher copper prices which more than offset the sales increase. Operating margin was 17.5 percent for the second quarter, compared with 20.7 percent in the prior year quarter. Adjusted EBITDA margin was 21.7 percent for the second quarter, compared with 23.2 percent in the prior year quarter.
- Sales for CMC totaling \$130.3 million increased by \$18.0 million, or 16.0 percent, compared to sales of \$112.3 million in the prior year quarter. The sales increase was due to higher volumes for carbon pitch and carbon black feedstock as well as higher sales prices for carbon pitch, carbon black feedstock, phthalic anhydride and other coal tar products, partially offset by lower creosote pricing and volumes. The segment's results benefited from lower raw material and logistics costs in North America, higher sales prices in Europe and higher sales volumes in Australasia particularly related to carbon pitch. These positive factors were partially offset by lower sales prices in North America, accelerated depreciation, and unabsorbed fixed costs. Operating margin was 6.0 percent in the second quarter, compared with a loss of 7.4 percent in the prior year quarter. Adjusted EBITDA margin was 13.9 percent in the second quarter, compared with 4.6 percent in the prior

year quarter.

- Net income was \$19.8 million, compared to \$11.3 million in the prior year quarter. Adjusted EBITDA was \$55.7 million compared with \$52.6 million in the prior year quarter, due primarily to higher profitability from the CMC segment, partially offset by lower profitability for the RUPS and PC segments.
- Net income attributable to Koppers in the second quarter was \$19.7 million compared with a net income of \$12.1 million in the prior year quarter. Adjusted net income was \$25.8 million compared with \$19.4 million in the prior year quarter.
- Items excluded from adjusted EBITDA consisted of \$3.7 million of pre-tax charges, while adjusted net income and adjusted EPS for the quarter excluded \$6.1 million of pre-tax charges. The excluded items related primarily to restructuring expenses. Adjusted EBITDA margin represents adjusted EBITDA as a percentage of GAAP sales.
- Capital expenditures for the six months ending June 30, 2017, were \$34.2 million compared with \$21.3 million for the prior year period. The current year amount consists of spending on the new naphthalene unit construction at a CMC facility in Stickney, Illinois, and expanding production capacity at PC production facilities in the U.S.
- Net debt, net of cash and cash equivalents, was \$652.9 million at June 30, 2017, \$684.6 million at March 31, 2017, and \$641.6 million at December 31, 2016. The net leverage ratio was 3.5 at June 30, 2017, 3.7 at March 31, 2017, and 3.7 at December 31, 2016.

## 2017 Outlook

Koppers continues to expect that its 2017 sales will be relatively flat year-over-year and remain at approximately \$1.4 billion. Based on the strong overall performance in the first half of 2017, the company is increasing its 2017 adjusted EBITDA guidance to \$185 million, compared with \$180 million previously. Accordingly, the adjusted diluted EPS guidance is being increased to \$3.10 to \$3.30 compared with \$2.80 to \$3.00 previously. In addition, the company continues to anticipate capital expenditures to be in the range of \$70 million to \$75 million and to have a net leverage ratio below 3.5 by year-end 2017.

Commenting on the forecast, Mr. Ball said, "I am expecting continued strong performance from our PC and CMC segments for the remainder of the year to offset the ongoing weakness that we are experiencing in our RUPS business. While there are certain headwinds on the horizon, such as elevated copper pricing, I believe our earnings potential over the next eighteen to twenty-four months remains strong due to factors well within our control such as further cost reductions through the consolidation plan in progress, and productivity improvements."

## Investor Conference Call and Web Simulcast

Koppers management will conduct a conference call this morning, beginning at 11:00 a.m. Eastern Time to discuss the company's performance. Presentation materials will be available at least 15 minutes before the call on [www.koppers.com](http://www.koppers.com) in the Investor Relations section of the company's website.

Interested parties may access the live audio broadcast by dialing 866-548-4713 in the United States/Canada, or 323-794-2093 for international. Conference ID number 8363011. Investors are requested to access the call at least five minutes before the scheduled start time in order to complete a brief registration. An audio replay will be available approximately two hours after the completion of the call at 888-203-1112 or 719-457-0820, Conference ID number 8363011. The recording will be available for replay through September 1, 2017.

The live broadcast of the Koppers conference call will be available online: <http://edge.media-server.com/m/p/nuxdia5p>. (Due to the length of this URL, it may be necessary to copy and paste this hyperlink into your internet browser's URL address field.)

If you are unable to participate during the live webcast, the event will be archived on [www.koppers.com](http://www.koppers.com) and [www.streetevents.com](http://www.streetevents.com) shortly after the live call and continuing through September 1, 2017.

## About Koppers

Koppers, with corporate headquarters in Pittsburgh, Pennsylvania, is an integrated global provider of treated wood products, wood treatment chemicals and carbon compounds. Our products and services are used in a variety of niche applications in a diverse range of end-markets, including the railroad, specialty chemical, utility, residential lumber, agriculture, aluminum, steel, rubber, and construction industries. Including our joint ventures, we serve our customers through a comprehensive global manufacturing and distribution network, with facilities located in North America, South America, Australasia, China and Europe. The stock of Koppers Holdings Inc. is publicly traded on the New York Stock Exchange under the symbol "KOP." For more information, visit us at [www.koppers.com](http://www.koppers.com). Questions concerning investor relations should be directed to Michael J. Zugay at 412-227-2231 or Quynh McGuire at 412-227-2049.

## Non-GAAP Financial Measures

This press release contains certain non-GAAP financial measures. Koppers believes that adjusted EBITDA, adjusted EBITDA margin, adjusted net income, adjusted earnings per share, net debt and net leverage ratio provide information useful to investors in understanding the underlying operational performance of the company, its business and performance trends, and facilitates comparisons between periods and with other corporations in similar industries. The exclusion of certain items permits evaluation and a comparison of results for ongoing business operations, and it is on this basis that Koppers management internally assesses the company's performance. In addition, the Board of Directors and executive management team use adjusted EBITDA and adjusted earnings per share as performance measures under the company's annual incentive plans.

Although Koppers believes that these non-GAAP financial measures enhance investors' understanding of its business and performance, these non-GAAP financial measures should not be considered an alternative to GAAP basis financial measures and should be read in conjunction with the relevant GAAP financial measure. Other companies in a similar industry may define or calculate these measures differently than the company, limiting their usefulness as comparative measures. Because of these limitations, these non-GAAP financial measures should not be considered in isolation or as substitutes for performance measures calculated in accordance with GAAP.

See the attached tables for the following reconciliations of non-GAAP financial measures included in this press release: Unaudited Reconciliation of Operating Profit to EBITDA and Adjusted EBITDA; Unaudited Reconciliation of Net Income to EBITDA and Adjusted EBITDA; Unaudited Reconciliation of Net Income Attributable to Koppers and Adjusted Net Income; Unaudited Reconciliation of Diluted Earnings Per Share and Adjusted Earnings Per Share; Unaudited Reconciliation of Total Debt to Net Debt and Net Leverage Ratio; and Unaudited Reconciliation of Net Income to EBITDA and Adjusted EBITDA on a Latest Twelve Month Basis.

For the company's guidance, adjusted EBITDA, adjusted EBITDA margin and adjusted EPS excludes restructuring, impairment, non-cash LIFO charges, and non-cash mark-to-market commodity hedging. The forecasted amounts for these items cannot be reasonably estimated due to their nature, but may be significant. For that reason, the company is unable to provide GAAP earnings estimates at this time.

## Safe Harbor Statement

Certain statements in this press release are "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995 and may include, but are not limited to, statements about sales levels, acquisitions, restructuring, declines in the value of Koppers assets and the effect of any resulting impairment charges, profitability and anticipated expenses and cash outflows. All forward-looking statements involve risks and uncertainties. All statements contained herein that are not clearly historical in nature are forward-looking, and words such as "outlook," "guidance," "forecast," "believe," "anticipate," "expect," "estimate," "may," "will," "should," "continue," "plans," "potential," "intends," "likely," or other similar words or phrases are generally intended to identify forward-looking statements. Any forward-looking statement contained herein, in other press releases, written statements or other documents filed with the Securities and Exchange Commission, or in Koppers communications with

and discussions with investors and analysts in the normal course of business through meetings, phone calls and conference calls, regarding expectations with respect to sales, earnings, cash flows, operating efficiencies, restructurings, the benefits of acquisitions, divestitures, joint ventures or other matters as well as financings and debt reduction, are subject to known and unknown risks, uncertainties and contingencies. Many of these risks, uncertainties and contingencies are beyond our control, and may cause actual results, performance or achievements to differ materially from anticipated results, performance or achievements. Factors that might affect such forward-looking statements, include, among other things, the impact of changes in commodity prices, such as oil and copper, on product margins; general economic and business conditions; potential difficulties in protecting our intellectual property; the ratings on our debt and our ability to repay or refinance our outstanding indebtedness as it matures; our ability to operate within the limitations of our debt covenants; potential impairment of our goodwill and/or long-lived assets; demand for Koppers goods and services; competitive conditions; interest rate and foreign currency rate fluctuations; availability and costs of key raw materials; unfavorable resolution of claims against us, as well as those discussed more fully elsewhere in this release and in documents filed with the Securities and Exchange Commission by Koppers, particularly our latest annual report on Form 10-K and quarterly report on Form 10-Q. Any forward-looking statements in this release speak only as of the date of this release, and we undertake no obligation to update any forward-looking statement to reflect events or circumstances after that date or to reflect the occurrence of unanticipated events.

**Koppers Holdings Inc.**  
**Unaudited Consolidated Statement of Operations**  
*(Dollars in millions, except per share amounts)*

	<u>Three Months Ended June 30,</u>		<u>Six Months Ended June 30,</u>	
	<u>2017</u>	<u>2016</u>	<u>2017</u>	<u>2016</u>
Net sales	\$ 378.0	\$ 385.1	\$ 724.6	\$ 731.9
Cost of sales (excluding items below)	294.7	303.8	570.0	592.3
Depreciation and amortization	11.7	13.1	22.9	28.2
Impairment and restructuring charges	2.1	6.0	3.6	11.1
Selling, general and administrative expenses	31.9	30.2	62.9	60.5
Operating profit	37.6	32.0	65.2	39.8
Other income	0.7	0.4	2.7	2.0
Interest expense	10.8	14.3	21.4	26.6
Loss on extinguishment of debt	0.0	0.0	13.3	0.0
Income before income taxes	27.5	18.1	33.2	15.2
Income tax provision	6.6	6.8	7.6	6.3
Income from continuing operations	20.9	11.3	25.6	8.9
(Loss) income from discontinued operations, net of tax benefit (expense) of \$0.6, \$0.0, \$0.6 and \$(0.4)	(1.1)	0.0	(1.2)	0.6
Net income	19.8	11.3	24.4	9.5
Net income (loss) attributable to noncontrolling interests	0.1	(0.8)	0.3	(1.3)
Net income attributable to Koppers	\$ 19.7	\$ 12.1	\$ 24.1	\$ 10.8
Earnings (loss) per common share attributable to Koppers common shareholders:				
Basic -				
Continuing operations	\$ 1.00	\$ 0.58	\$ 1.22	\$ 0.49
Discontinued operations	(0.06)	0.00	(0.06)	0.03
Earnings per basic common share	\$ 0.94	\$ 0.58	\$ 1.16	\$ 0.52
Diluted -				
Continuing operations	\$ 0.95	\$ 0.57	\$ 1.15	\$ 0.49
Discontinued operations	(0.05)	0.00	(0.06)	0.03
Earnings per diluted common share	\$ 0.90	\$ 0.57	\$ 1.09	\$ 0.52
Comprehensive income	\$ 24.7	\$ 9.9	36.9	17.3
Comprehensive income (loss) attributable to noncontrolling interests	0.2	(1.0)	0.4	(1.5)
Comprehensive income attributable to Koppers	\$ 24.5	\$ 10.9	\$ 36.5	\$ 18.8
Weighted average shares outstanding (in thousands):				
Basic	20,782	20,640	20,752	20,611
Diluted	21,883	20,944	21,898	20,798

**Koppers Holdings Inc.**  
**Unaudited Consolidated Balance Sheet**  
*(Dollars in millions, except per share amounts)*

	<u>June 30,</u>	<u>December 31,</u>
	<u>2017</u>	<u>2016</u>
Assets		

Cash and cash equivalents	\$ 40.0	\$ 20.8
Accounts receivable, net of allowance of \$3.0 and \$3.8	180.1	136.8
Income tax receivable	4.5	3.8
Inventories, net	229.7	228.7
Loan to related party	0.0	8.9
Other current assets	46.7	39.1
<b>Total current assets</b>	<b>501.0</b>	<b>438.1</b>
Property, plant and equipment, net	303.4	280.8
Goodwill	187.9	186.4
Intangible assets, net	136.2	141.9
Deferred tax assets	26.7	27.1
Other assets	13.2	13.2
<b>Total assets</b>	<b>\$ 1,168.4</b>	<b>\$ 1,087.5</b>
<b>Liabilities</b>		
Accounts payable	\$ 148.4	\$ 144.2
Accrued liabilities	116.4	106.3
Current maturities of long-term debt	12.5	42.6
<b>Total current liabilities</b>	<b>277.3</b>	<b>293.1</b>
Long-term debt	680.4	619.8
Accrued postretirement benefits	50.4	51.6
Deferred tax liabilities	6.7	6.3
Other long-term liabilities	80.1	82.1
<b>Total liabilities</b>	<b>1,094.9</b>	<b>1,052.9</b>
Commitments and contingent liabilities		
<b>Equity</b>		
Senior Convertible Preferred Stock, \$0.01 par value per share; 10,000,000 shares authorized; no shares issued	0.0	0.0
Common Stock, \$0.01 par value per share; 80,000,000 shares authorized; 22,350,838 and 22,140,680 shares issued	0.2	0.2
Additional paid-in capital	183.7	176.5
Accumulated deficit	(0.8)	(24.7)
Accumulated other comprehensive loss	(56.1)	(68.6)
Treasury stock, at cost, 1,605,377 and 1,475,792 shares	(58.1)	(53.0)
<b>Total Koppers shareholders' equity</b>	<b>68.9</b>	<b>30.4</b>
Noncontrolling interests	4.6	4.2
<b>Total equity</b>	<b>73.5</b>	<b>34.6</b>
<b>Total liabilities and equity</b>	<b>\$ 1,168.4</b>	<b>\$ 1,087.5</b>

**Koppers Holdings Inc.**  
**Unaudited Consolidated Statement of Cash Flows**  
*(Dollars in millions)*

	<u>Six Months Ended June 30,</u>	
	2017	2016
Cash provided by (used in) operating activities:		
Net income	\$ 24.4	\$ 9.5
Adjustments to reconcile net cash provided by (used in) operating activities:		
Depreciation and amortization	22.9	28.2
Loss on extinguishment of debt	13.3	0.0
Gain on disposal of investment	(1.4)	0.0
Deferred income taxes	0.2	0.3
Equity loss, net of dividends received	0.0	0.7

Change in other liabilities	(6.7)	(5.2)
Non-cash interest expense	1.0	3.9
Stock-based compensation	5.0	3.4
Other - net	0.0	2.8
Changes in working capital:		
Accounts receivable	(39.2)	(19.5)
Inventories	4.6	6.0
Accounts payable	1.8	4.8
Accrued liabilities	8.3	3.3
Other working capital	(2.9)	(3.9)
Net cash provided by operating activities	31.3	34.3
Cash (used in) provided by investing activities:		
Capital expenditures	(34.2)	(21.3)
Repayments of loan	9.5	0.0
Net cash provided by divestitures and asset sales	0.8	0.6
Net cash used in investing activities	(23.9)	(20.7)
Cash provided by (used in) financing activities:		
Borrowings of revolving credit	523.3	290.3
Repayments of revolving credit	(455.9)	(288.2)
Borrowings of long-term debt	500.0	0.0
Repayments of long-term debt	(541.4)	(15.0)
Issuances of Common Stock	1.9	0.1
Repurchases of Common Stock	(5.2)	(0.3)
Payment of debt issuance costs	(11.0)	(1.4)
Net cash provided by (used in) financing activities	11.7	(14.5)
Effect of exchange rate changes on cash	0.1	(4.5)
Net increase (decrease) in cash and cash equivalents	19.2	(5.4)
Cash and cash equivalents at beginning of period	20.8	21.8
Cash and cash equivalents at end of period	\$ 40.0	\$ 16.4

#### Unaudited Segment Information

The following tables set forth certain sales and operating data, net of all intersegment transactions, for the company's businesses for the periods indicated.

	<u>Three Months Ended June 30,</u>		<u>Six Months Ended June 30,</u>	
	<u>2017</u>	<u>2016</u>	<u>2017</u>	<u>2016</u>
<i>(Dollars in millions)</i>				
Net sales:				
Railroad and Utility Products and Services	\$ 135.9	\$ 164.4	\$ 271.4	\$ 315.8

Performance Chemicals	111.8	108.4	208.5	196.4
Carbon Materials and Chemicals	130.3	112.3	244.7	219.7
<b>Total</b>	<b>\$ 378.0</b>	<b>\$ 385.1</b>	<b>\$ 724.6</b>	<b>\$ 731.9</b>
Operating profit (loss):				
Railroad and Utility Products and Services	\$ 11.0	\$ 18.5	\$ 20.0	\$ 32.0
Performance Chemicals	19.6	22.4	38.2	35.0
Carbon Materials and Chemicals	7.8	(8.3)	8.2	(25.9)
Corporate Unallocated	(0.8)	(0.6)	(1.2)	(1.3)
<b>Total</b>	<b>\$ 37.6</b>	<b>\$ 32.0</b>	<b>\$ 65.2</b>	<b>\$ 39.8</b>
Operating profit (loss) margin:				
Railroad and Utility Products and Services	8.1 %	11.3 %	7.4 %	10.1 %
Performance Chemicals	17.5 %	20.7 %	18.3 %	17.8 %
Carbon Materials and Chemicals	6.0 %	-7.4 %	3.4 %	-11.8 %
Corporate Unallocated	0.0 %	0.0 %	0.0 %	0.0 %
<b>Total</b>	<b>9.9 %</b>	<b>8.3 %</b>	<b>9.0 %</b>	<b>5.4 %</b>
Depreciation and amortization:				
Railroad and Utility Products and Services	\$ 2.9	\$ 3.1	\$ 5.9	\$ 6.3
Performance Chemicals	4.5	4.8	8.9	9.6
Carbon Materials and Chemicals	4.3	5.2	8.1	12.3
<b>Total</b>	<b>\$ 11.7</b>	<b>\$ 13.1</b>	<b>\$ 22.9</b>	<b>\$ 28.2</b>
Adjusted EBITDA <sup>(1)</sup> :				
Railroad and Utility Products and Services	\$ 13.5	\$ 22.5	\$ 25.4	\$ 41.1
Performance Chemicals	24.3	25.1	47.2	42.9
Carbon Materials and Chemicals	18.1	5.2	25.4	2.5
Corporate Unallocated	(0.2)	(0.2)	(0.5)	(0.7)
<b>Total</b>	<b>\$ 55.7</b>	<b>\$ 52.6</b>	<b>\$ 97.5</b>	<b>\$ 85.8</b>
Adjusted EBITDA margin <sup>(2)</sup> :				
Railroad and Utility Products and Services	9.9 %	13.7 %	9.4 %	13.0 %
Performance Chemicals	21.7 %	23.2 %	22.6 %	21.8 %
Carbon Materials and Chemicals	13.9 %	4.6 %	10.4 %	1.1 %
<b>Total</b>	<b>14.7 %</b>	<b>13.7 %</b>	<b>13.5 %</b>	<b>11.7 %</b>

(1) The tables below describe the adjustments to EBITDA for the quarters and six months ended June 30, 2017 and 2016, respectively.

(2) Adjusted EBITDA as a percentage of GAAP sales.

**UNAUDITED RECONCILIATION OF OPERATING PROFIT TO EBITDA AND ADJUSTED EBITDA**  
(In millions)

	<i>Three months ended June 30, 2017</i>				
	<i>RUPS</i>	<i>PC</i>	<i>CMC</i>	<i>Corporate Unallocated</i>	<i>Consolidated</i>
Operating profit	\$ 11.0	\$ 19.6	\$ 7.8	\$ (0.8)	\$ 37.6
Other income (loss)	(0.1)	0.5	(0.3)	0.6	0.7
Depreciation and amortization	2.9	4.5	4.3	-	11.7
Depreciation in impairment and restructuring charges	-	-	2.0	-	2.0
EBITDA with noncontrolling interest	\$ 13.8	\$ 24.6	\$ 13.8	\$ (0.2)	\$ 52.0
Unusual items impacting EBITDA:					
CMC restructuring	-	-	4.7	-	4.7
Non-cash LIFO benefit	(0.3)	-	(0.4)	-	(0.7)
Mark-to-market commodity hedging (non-cash)	-	(0.3)	-	-	(0.3)
Adjusted EBITDA	\$ 13.5	\$ 24.3	\$ 18.1	\$ (0.2)	\$ 55.7
<i>Adj. EBITDA % of Consolidated Adj. EBITDA (excluding corporate unallocated)</i>	24.2 %	43.5 %	32.4 %		

**UNAUDITED RECONCILIATION OF OPERATING PROFIT TO EBITDA AND ADJUSTED EBITDA**  
(In millions)

	<i>Three months ended June 30, 2016</i>				
	<i>RUPS</i>	<i>PC</i>	<i>CMC</i>	<i>Corporate Unallocated</i>	<i>Consolidated</i>
Operating profit	\$ 18.5	\$ 22.4	\$ (8.3)	\$ (0.6)	\$ 32.0
Other income (loss)	(0.3)	0.6	(0.3)	0.4	0.4
Depreciation and amortization	3.1	4.8	5.2	-	13.1
Depreciation in impairment and restructuring charges	0.8	-	0.9	-	1.7
EBITDA with noncontrolling interest	\$ 22.1	\$ 27.8	\$ (2.5)	\$ (0.2)	\$ 47.2
Unusual items impacting EBITDA:					
CMC restructuring	-	-	9.2	-	9.2
Loss on sale of RUPS businesses	0.1	-	-	-	0.1
RUPS treating plant closures	0.6	-	-	-	0.6
Non-cash LIFO benefit	(0.3)	-	(1.5)	-	(1.8)
Reimbursement of environmental costs	-	(2.7)	-	-	(2.7)
Adjusted EBITDA	\$ 22.5	\$ 25.1	\$ 5.2	\$ (0.2)	\$ 52.6
<i>Adj. EBITDA % of Consolidated Adj. EBITDA (excluding corporate unallocated)</i>	42.6 %	47.5 %	9.8 %		

**UNAUDITED RECONCILIATION OF OPERATING PROFIT TO EBITDA AND ADJUSTED EBITDA**  
(In millions)

	<i>Six months ended June 30, 2017</i>				
	<i>RUPS</i>	<i>PC</i>	<i>CMC</i>	<i>Corporate Unallocated</i>	<i>Consolidated</i>
Operating profit	\$ 20.0	\$ 38.2	\$ 8.2	\$ (1.2)	\$ 65.2
Other income	(0.2)	1.1	1.2	0.6	2.7
Depreciation	5.9	8.9	8.1	-	22.9

Depreciation in impairment and restructuring charges	-	-	3.2	-	3.2
EBITDA with noncontrolling interest	\$ 25.7	\$ 48.2	\$ 20.7	\$ (0.6)	\$ 94.0
Unusual items impacting net income:	-	-	-	-	-
CMC restructuring	-	-	5.5	-	5.5
RUPS treating plant closures	0.1	-	-	-	0.1
Non-cash LIFO benefit	(0.4)	-	(0.8)	-	(1.2)
Mark-to-market commodity hedging (non-cash)	-	(1.0)	-	-	(1.0)
Debt refinancing costs	-	-	-	0.1	0.1
Adjusted EBITDA	\$ 25.4	\$ 47.2	\$ 25.4	\$ (0.5)	\$ 97.5
<i>Adj. EBITDA % of Consolidated Adj. EBITDA (excluding corporate unallocated)</i>	25.9 %	48.2 %	25.9 %		

**UNAUDITED RECONCILIATION OF OPERATING PROFIT TO EBITDA AND ADJUSTED EBITDA**  
(In millions)

	Six months ended June 30, 2016				
	RUPS	PC	CMC	Corporate Unallocated	Consolidated
Operating profit	\$ 32.0	\$ 35.0	\$ (25.9)	\$ (1.3)	\$ 39.8
Other income	(0.4)	2.3	(0.5)	0.6	2.0
Depreciation	6.3	9.6	12.3	-	28.2
Depreciation in impairment and restructuring charges	0.8	-	1.1	-	1.9
EBITDA with noncontrolling interest	\$ 38.7	\$ 46.9	\$ (13.0)	\$ (0.7)	\$ 71.9
Unusual items impacting net income:	-	-	-	-	-
CMC restructuring	-	-	18.4	-	18.4
Loss on sale of RUPS businesses	0.8	-	-	-	0.8
RUPS treating plant closures	1.9	-	-	-	1.9
Non-cash LIFO benefit	(0.3)	-	(2.9)	-	(3.2)
Mark-to-market commodity hedging (non-cash)	-	(0.3)	-	-	(0.3)
Reimbursement of environmental costs	-	(2.7)	-	-	(2.7)
Escrow recovery	-	(1.0)	-	-	(1.0)
Adjusted EBITDA	\$ 41.1	\$ 42.9	\$ 2.5	\$ (0.7)	\$ 85.8
<i>Adj. EBITDA % of Consolidated Adj. EBITDA (excluding corporate unallocated)</i>	47.5 %	49.6 %	2.9 %		

**UNAUDITED RECONCILIATION OF NET INCOME TO EBITDA AND ADJUSTED EBITDA**  
(In millions)

	Three Months Ended June 30,		Six Months Ended June 30,	
	2017	2016	2017	2016
Net income	\$ 19.8	\$ 11.3	\$ 24.4	\$ 9.5
Interest expense	10.8	14.3	21.4	26.6
Loss on extinguishment of debt	-	-	13.3	-
Depreciation and amortization	13.7	14.8	26.1	30.1



Income taxes	6.6	6.8	7.6	6.3
Loss (income) from discontinued operations	1.1	0.0	1.2	(0.6)
EBITDA with noncontrolling interests	52.0	47.2	94.0	71.9
Unusual items impacting net income <sup>(1)</sup>				
Impairment, restructuring and plant closure costs	4.7	9.8	5.6	20.3
Net loss on sale of business	-	0.1	-	0.8
Non-cash LIFO benefit	(0.7)	(1.8)	(1.2)	(3.2)
Mark-to-market commodity hedging (non-cash)	(0.3)		(1.0)	(0.3)
Reimbursement of environmental costs		(2.7)		(2.7)
Escrow recovery	-	-	-	(1.0)
Debt refinancing costs	-	-	0.1	
Total adjustments	3.7	5.4	3.5	13.9
Adjusted EBITDA with noncontrolling interests	\$ 55.7	\$ 52.6	\$ 97.5	\$ 85.8

(1) Refer to adjustments under Unaudited Segment Information.

#### UNAUDITED RECONCILIATION OF NET INCOME ATTRIBUTABLE TO KOPPERS AND ADJUSTED NET INCOME

(In millions)

	Three Months Ended June 30,		Six Months Ended June 30,	
	2017	2016	2017	2016
Net income attributable to Koppers	\$ 19.7	\$ 12.1	\$ 24.1	\$ 10.8
Unusual items impacting net income				
Impairment, restructuring and plant closure costs	7.1	12.4	9.2	26.0
Net loss on sale of business	-	0.1	-	0.8
Non-cash LIFO benefit	(0.7)	(1.8)	(1.2)	(3.2)
Escrow recovery	-	-	-	(1.0)
Reimbursement of environmental costs	-	(2.7)	-	(2.7)
Mark-to-market commodity hedging (non-cash)	(0.3)	-	(1.0)	(0.3)
Debt refinancing costs	-	2.0	13.3	2.0
Total adjustments	6.1	10.0	20.3	21.6
Adjustments to income tax and noncontrolling interests				
Income tax	(1.2)	(2.2)	(5.3)	(5.6)
Noncontrolling interests	0.1	(0.5)	0.3	(0.9)
Effect on adjusted net income	5.0	7.3	15.3	15.1
Adjusted net income including discontinued operations	24.7	19.4	39.4	25.9
Loss (income) from discontinued operations	1.1	0.0	1.2	(0.6)
Adjusted net income	\$ 25.8	\$ 19.4	\$ 40.6	\$ 25.3

#### UNAUDITED RECONCILIATION OF DILUTED EARNINGS PER SHARE AND ADJUSTED EARNINGS PER SHARE

(In millions except share amounts)

	<i>Three Months Ended June 30,</i>		<i>Six Months Ended June 30,</i>	
	<i>2017</i>	<i>2016</i>	<i>2017</i>	<i>2016</i>
Net income attributable to Koppers	\$ 19.7	\$ 12.1	\$ 24.1	\$ 10.8
Adjusted net income (from above)	\$ 25.8	\$ 19.4	\$ 40.6	\$ 25.3
Denominator for diluted earnings per share (in thousands)	21,883	20,944	21,898	20,798
Earnings per share:				
Diluted earnings per share	\$ 0.90	\$ 0.57	\$ 1.09	\$ 0.52
Adjusted earnings per share	\$ 1.18	\$ 0.93	\$ 1.86	\$ 1.21

**UNAUDITED RECONCILIATION OF TOTAL DEBT TO NET DEBT AND NET LEVERAGE RATIO**  
(In millions)

	<i>Twelve months ended</i>		
	<i>June 30, 2017</i>	<i>March 31, 2017</i>	<i>December 31, 2016</i>
Total Debt	\$ 692.9	\$ 708.0	\$ 662.4
Less: Cash	40.0	23.4	20.8
Net Debt	\$ 652.9	\$ 684.6	\$ 641.6
Adjusted EBITDA	\$ 185.9	\$ 182.7	\$ 174.2
Net Leverage Ratio	3.5	3.7	3.7

**UNAUDITED RECONCILIATION OF NET INCOME TO EBITDA AND ADJUSTED EBITDA ON A LATEST TWELVE MONTH BASIS**  
(In millions)

	<i>Twelve months ended</i>		
	<i>June 30, 2017</i>	<i>March 31, 2017</i>	<i>December 31, 2016</i>
Net income	\$ 42.7	\$ 34.1	\$ 27.7
Interest expense including refinancing	58.7	62.5	50.8
Depreciation and amortization	56.6	57.6	60.5
Income tax provision	12.6	12.8	11.4
Discontinued operations	1.2	0.1	(0.6)
EBITDA	171.8	167.1	149.8
Unusual items impacting net income:			
Impairment, restructuring and plant closure	19.5	24.5	34.1
Net loss on sale of business	-	-	0.8
Non-cash LIFO benefit	(7.4)	(8.5)	(9.5)
Mark-to-market commodity hedging (non-cash)	(2.5)	(2.2)	(1.7)
Reimbursement of environmental costs	-	(2.7)	(2.7)
Escrow recovery	-	-	(1.0)
Debt refinancing costs	0.1	0.1	-
Pension settlement charge	4.4	4.4	4.4
Adjusted EBITDA with noncontrolling interests	\$ 185.9	\$ 182.7	\$ 174.2

For Information: Michael J. Zugay, Chief Financial Officer  
412 227 2231  
[ZugayMJ@koppers.com](mailto:ZugayMJ@koppers.com)

