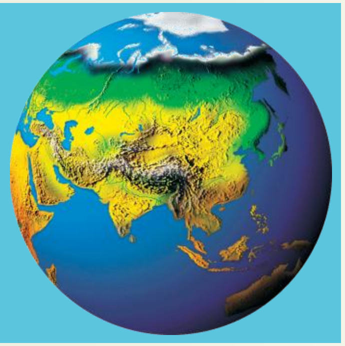
  

Earnings Teleconference

Fourth Quarter / Fiscal Year 2011 October 26, 2011

Forward Looking Statements and Use of Non-GAAP Financial Measures

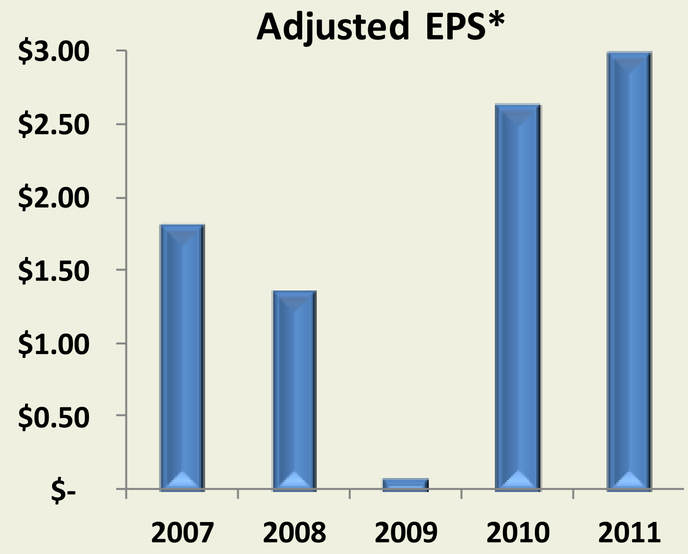
This presentation contains forward-looking statements based on management's current expectations, estimates and projections. All statements that address expectations or projections about the future, including our ability to meet our long-term financial targets, strategy for growth, anticipated capital spending, market position, demand for our products, when we expect commissioning of our capacity additions to occur, the effect we expect the disposition of our Supermetals Business to have on the cyclicality of the portfolio, yields on our future investments and expected financial results are forward-looking statements. Some of the forward-looking statements may be identified by words like "expects," "anticipates," "plans," "intends," "projects," "indicates," and similar expressions. Forward-looking statements are based on our current expectations, assumptions, estimates and projections about Cabot's businesses and strategies, market trends and conditions, economic conditions and other factors. These statements are not guarantees of future performance and are subject to risks, uncertainties, potentially inaccurate assumptions, and other factors, some of which are beyond our control and difficult to predict. If known or unknown risks materialize, or should underlying assumptions prove inaccurate, our actual results could differ materially from past results and from those expressed in the forward-looking statement. Important factors that could cause our results to differ materially from those expressed in the forward-looking statements include, but are not limited to changes in raw material costs; costs associated with the research and development of new products, including regulatory approval and market acceptance; competitive pressures; delays in the successful integration of structural changes, including restructuring plans, and joint ventures; delays in the completion or start-up of our capacity expansion projects; the laws, regulations, policies and economic conditions, including inflation, interest and foreign currency exchange rates, of countries in which the company does business; and severe weather events that cause business interruptions, including plant and power outages, or disruptions in supplier or customer operations. These factors are discussed more fully in the reports we file with the Securities and Exchange Commission, particularly our latest annual report on Form 10-K.

This presentation includes references to the following non-GAAP financial measures: adjusted earnings per share (EPS) and adjusted ROIC (return on invested capital). A reconciliation of adjusted EPS to EPS from continuing operations, the most directly comparable GAAP financial measure, is provided in the tables included in our fourth quarter earnings release and filed on our Form 8-K dated October 25, 2011. An explanation of how we calculate adjusted ROIC is included in this presentation. In our discussions, the term "LIFO" includes two factors: (i) the impact of current inventory costs being recognized immediately in cost of goods sold ("COGS") under a last-in first-out method, compared to the older costs that would have been included in COGS under a first-in first-out method ("COGS impact"); and (ii) the impact of reductions in inventory quantities, causing historical inventory costs to flow through COGS ("liquidation impact"). The term "quarterly operating tax rate" represents the tax rate on our recurring operating results. This rate excludes discrete tax items, which are unusual and infrequent items that are excluded from the estimated annual effective tax rate and other tax items, including the impact of the timing of losses in certain jurisdictions, cumulative rate adjustment and the impact of certain items on both operating income and tax provision. The term "product mix" refers to the various types and grades, or mix, of products sold in a particular Business or Segment during the period, and the positive or negative impact of that mix on the revenue or profitability of the Business or Segment.

CABOT

Fiscal 2011 Highlights

- **$3.00 of Adjusted EPS***
  - 14% year on year improvement
  - Confirms new base level of earnings
- **Segment EBIT improvement of $40 million* driven by value pricing and improved product mix**
  - Rubber Blacks +32%
  - Performance Segment +12%
- **Manufacturing expansions underway to support growth**
  - $180 million rubber blacks; 300,000 MT (+15% global capacity)
  - Masterbatch plant in Tianjin, China
  - Fumed silica expansion in Jiangxi, China
  - Inkjet expansion in Massachusetts
- **Set new targets of $4.50 adjusted EPS and >13% adjusted ROIC in 2014 supported by segment contributions**



*Excludes Supermetals Business, now included in discontinued operations

CABOT

Strategy Drives Results

Execution of Strategy Drives Strong Results

Margin Improvement

- Value pricing initiative
- Improved product mix
- Yield/Energy efficiency technologies

Capacity/Emerging Market Expansion

- China Masterbatch Q4'11
- Indonesia Rubber Q1'12
- Inkjet Color Pigments Q1'12
- China FMO Q1'12

Portfolio Management

- Divestiture of Supermetals Business reduces cyclicality
- Cash for strategic acquisitions

New Product/Business Development

- New Business Segment revenue of $117M
- IJ Commercial printing sales growth
- Aerogel partners launch new products
- CEC milestones on track

CABOT

Q4 2011 Highlights

- **Continue to improve product mix and margins through value pricing initiative**
- **Short term volume softness in certain end markets, but robust long-term growth from macro drivers**
- **Strategic cash and balance sheet management**
  - Capital expenditures to support growth initiatives
  - Inventory management
  - Share repurchases
  - Healthy cash balance and available debt capacity

CABOT

Operating Results

In millions unless otherwise noted	Fiscal Year 2011	FY11 Year on Year	Q4 2011	Q4 Year on Year	Q4 Sequential
Segment EBIT*	$354	+13%	$79	+10%	-25%
Net income	$235	+53%	$49	+40%	-18%
Adjusted EPS*	$3.00	+14%	$0.66	+25%	-20%

- **FY11 Year on Year Segment EBIT improved $40 million (+13%)**
  - Significant Rubber Blacks and Performance Segments improvement
  - Unallocated items offsetting business improvement (LIFO, Foreign Currency)
- **Q4 Year on Year Segment EBIT improved $7 million**
  - Rubber Blacks improvement from value pricing initiative
- **Q4 Sequential Segment EBIT declined $27 million**
  - Favorable pricing and product mix initiatives
  - Strong Specialty Fluids EBIT as activity levels improve
  - Lower volumes in Rubber Blacks and Performance Segments
  - Higher costs from inventory reduction, maintenance activities and capacity start-up costs

CABOT

*Segment EBIT and Adjusted EPS exclude Supermetals Business, now included in discontinued operations

Segment Changes

- **Planned Supermetals Business divestiture moves results to discontinued operations**
  - Corporate costs previously allocated to Supermetals Business; $10 million annual costs redistributed to remaining businesses
- **New Business Segment**
  - CEC business moved from Rubber Blacks Business to New Business Segment; enables stronger focus on growth in non-tire applications
  - Corporate business development costs for new technology efforts support entire corporation; $10 million annual costs moved from New Business Segment to Unallocated Corporate Costs
- **LIFO Accounting**
  - $17 million fiscal 2011 expense moved from Rubber Blacks Business and Performance Segment to General Unallocated Expense
- **All periods recast to conform to changes**

CABOT

Rubber Blacks Business

Fourth Quarter Performance

	FY11	FY10	4Q11	4Q10	3Q11
Net sales	$1,952	$1,660	$528	$424	$528
Segment EBIT	$183	$139	$38	$25	$57

Key Highlights

- FY2011 EBIT increase of $44M (+32%) vs. FY2010
- Focus on value pricing, improved product mix, and energy recovery technology driving improved unit margins
- Inventory reduction and maintenance activities during Q4'11

Segment Outlook

- $10B of tire investments announced over the last 12 months
- New Cabot Indonesia capacity to start up in upcoming quarter
- Supply negotiations underway for calendar year 2012

CABOT

Performance Segment

Fourth Quarter Performance

	FY11	FY10	4Q11	4Q10	3Q11
Net sales	$880	$783	$228	$196	$240
Segment EBIT	$140	$125	$27	$29	$43

Key Highlights

- FY2011 EBIT increase of $15M (+12%) vs. FY2010
- Pricing initiatives and favorable product mix benefiting result
- Inventory reduction and maintenance activities during Q4’11
- Masterbatch China plant commissioned

Segment Outlook

- Infrastructure growth continuing in emerging markets
- Polymer prices and plastics market demand stabilizing
- Fumed Metal Oxides China expansion on track

CABOT

Specialty Fluids Segment

Fourth Quarter Performance

	FY11	FY10	4Q11	4Q10	3Q11
Net sales	$69	$81	$27	$29	$12
Segment EBIT	$22	$35	$12	$14	$3

Key Highlights

- FY 2011 had highest number of jobs on record; +27% from 2010
- Q4 2011 second highest EBIT quarter on record
- Stronger sequential EBIT performance from higher revenue

Segment Outlook

- Solid pipeline of projects
- Expansion work outside North Sea looks promising

CABOT

New Business Segment

Fourth Quarter Performance

	FY11	FY10	4Q11	4Q10	3Q11
Net sales	$117	$105	$28	$30	$33
Segment EBIT	$9	$15	$2	$4	$3

Key Highlights

- FY 2011 net sales of $117 million (+11% from FY 2010)
- FY 2011 revenue improvement in inkjet colorants and security taggants
- EBIT reduction driven by lower CEC milestone payments in FY 2011

Segment Outlook

- Inkjet color pigment line expected to start up Q1 FY12
- Aerogel progress with strategic partners
- Graphenes technology license agreement with XG Sciences

CABOT

Q4 2011 Corporate Financials

Cash

- Cash balance of $286 million
- Capital expenditures of $114 million focused on growth initiatives, sustaining and efficiency capital
- Share repurchases of $50 million for approximately 1.6 million shares
- Net working capital decrease of $17 million

Taxes

- Fourth quarter net tax provision for continuing operations of $2 million
- $9 million discrete tax benefits
- Quarterly operating tax rate of 25%, excluding discrete and certain items

CABOT

Summary

- Confirmed base level of earnings in Fiscal 2011
- Q4'11 shows continued success in value pricing
- Long term macro growth drivers remain solid
- Continue to improve as top tier specialty chemicals company
- Focus on growth agenda
- On track to achieve long term targets
  - $4.50 adjusted earnings per share in 2014
  - Sustained adjusted ROIC >13%

CABOT

CABOT

Appendix

Management uses segment EBIT to assess segment performance and allocate resources. Segment EBIT includes equity in net income of affiliated companies, royalties paid by equity affiliates, minority interest and allocated corporate costs and excludes interest expense, foreign currency transaction gains and losses, interest income, dividend income, unallocated corporate costs and certain items that have not been allocated to a segment because management does not consider them representative of the Company’s ongoing operating results.

Adjusted EPS and adjusted ROIC are measures used by management to evaluate the performance of the Company in terms of profitability and the efficient use of capital employed. Both measures are calculated excluding certain items.

CABOT

Appendix

Adjusted EPS = **Net Income from continuing operations – after tax certain items** / **Diluted common shares outstanding**

Adjusted ROIC = **Net income (loss) attributable to Cabot Corporation**
– after-tax noncontrolling interest in net income
– after-tax interest expense
– after-tax interest income
– after-tax certain items

/

Average* (stockholder's equity + noncontrolling interests' equity + long-term debt + current portion of long-term debt + notes payable to banks - cash and cash equivalents – after-tax certain items)

* Average is calculated based on the previous five quarter average.

CABOT