

## FERRO CORPORATION REPORTS FOURTH QUARTER AND FULL YEAR 2021 RESULTS

Fourth Quarter Continuing Operations*	Full Year Continuing Operations*
<ul> <li>Net Sales increased 2.5% to \$266.3M, or 4.4% on a constant currency basis</li> </ul>	<ul> <li>Net Sales increased 17.4% to \$1,126.3M, or 15.4% on a constant currency basis</li> </ul>
<ul> <li>Gross Profit decreased 9.9% to \$71.3M, Gross Profit Margin of 26.8%</li> </ul>	<ul> <li>Gross Profit increased 17.3% to \$344.6M, Gross Profit Margin of 30.6%</li> </ul>
<ul> <li>Adjusted Gross Profit Margin of 26.9%</li> </ul>	<ul> <li>Adjusted Gross Profit Margin of 31.1%</li> </ul>
• GAAP diluted EPS of \$0.30, Adjusted diluted EPS of \$0.30	• GAAP diluted EPS of \$0.86, Adjusted diluted EPS of \$1.28
<ul> <li>Net Income from continuing operations of \$25.7M, Adjusted EBITDA of \$39.8M</li> </ul>	<ul> <li>Net Income from continuing operations of \$73.3M,</li> <li>Adjusted EBITDA increased 30.3% to \$200.3M</li> </ul>
<ul> <li>Adjusted EBITDA Margin of 14.9%</li> </ul>	<ul> <li>Adjusted EBITDA Margin improved 176 bps to 17.8%</li> </ul>
*Comparative information is relative to prior-year fourth quarter and	full year for Continuing Operations

Ferro will not host a Fourth Quarter and Full Year 2021 Earnings teleconference call

## **Key Results from Continuing Operations\***

(amounts in thousands, except EPS)

Sales and Gross Profits	Q4 2021	% Change	2021	% Change
Net Sales	\$ 266,347	2.5%	\$ 1,126,264	17.4%
Net Sales (constant currency)	266,347	4.4%	1,126,264	15.4%
Gross Profit (GAAP)	71,303	-9.9%	344,619	17.3%
Gross Profit Margin	26.8%	(366) bps	30.6%	(3)bps
Adjusted Gross Profit (constant currency)	71,734	-9.3%	350,151	14.4%
Adjusted Gross Profit Margin	26.9%	(408) bps	31.1%	(28)bps

Net Income from Continuing Operations, Adjusted EBITDA and Adjusted EPS	C	Q4 2021	% Change	2021	% Change
Net Income from Continuing Operations	\$	25,678	294.6%	\$ 73,342	144.1%
Adjusted EBITDA		39,781	-12.1%	200,309	30.3%
Adjusted EBITDA Margin		14.9%	(247) bps	17.8%	176 bps
GAAP diluted EPS	\$	0.30	N.M.	\$ 0.86	145.7%
Adjusted diluted EPS		0.30	18.2%	1.28	56.6%

<sup>\*</sup> Comparative information is relative to prior-year fourth quarter and full year for Continuing Operations



#### Fourth Quarter and Full Year 2021 Highlights

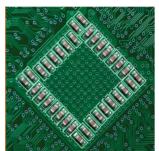
Net sales in the fourth quarter of 2021 increased 2.5% to \$266.3 million and increased 4.4% on a constant currency basis, primarily due to higher demand across all business segments. For the quarter, gross profit decreased 9.9% to \$71.3 million and, on a constant currency basis, decreased 9.3% to \$71.7 million compared to the prior year quarter. Gross Profit Margin in the fourth quarter of 2021 decreased 366 basis points to 26.8% compared to the prior year. The decrease in gross profit was primarily driven by sales volume and mix, and higher raw material costs.

GAAP diluted EPS from continuing operations increased to \$0.30 compared to the prior year quarter of \$0.08 and Adjusted diluted EPS increased by 18.2% to \$0.30. Net Income from continuing operations increased to \$25.7 million compared to \$6.5 million in the prior year quarter. Adjusted EBITDA declined 12.1% to \$39.8 million.

Full-year 2021 net sales increased 17.4% to \$1,126.3 million, an increase of 15.4% on a constant currency basis, primarily due to higher demand across all business segments. Gross profit increased 17.3% to \$344.6 million and, on a constant currency basis, decreased 14.4% to \$350.2 million compared to the prior year. Gross Profit Margin for the year was 30.6%.

The 2021 full-year GAAP Net Income from continuing operations increased 144.1% to \$73.3 million compared to \$30.0 million for the prior year. Adjusted EBITDA from Continuing Operations increased 30.3% to \$200.3 million compared to the prior year. Adjusted EBITDA margins improved 176 basis points in 2021 to 17.8%. Diluted GAAP EPS for Continuing Operations was \$0.86 compared to \$0.35 and Adjusted EPS increased 56.6% to \$1.28 compared to \$0.81 for the prior year.

## Segment Results Continuing Operations \* (amounts in thousands, except EPS)



<b>Functional Coatings</b>	Q4 2021	% Change	2021	% Change
Net Sales	\$ 172,764	3.5%	\$ 732,063	20.4%
Net Sales (Constant Currency)	172,764	5.7%	732,063	18.4%
Gross Profit (GAAP)	46,128	-7.3%	218,619	24.5%
Gross Profit Margin	26.7%	(310) bps	29.9%	100 bps
Adjusted Gross Profit (Constant Currency)	46,227	-7.6%	222,150	20.7%
Adj. Gross Profit Margin (Constant Currency)	26.8%	(383) bps	30.3%	60 bps



Color Solutions	Q4 2021	% Change	2021	% Change
Net Sales	\$ 93,583	0.5%	\$ 394,201	12.4%
Net Sales (Constant Currency)	93,583	2.1%	394,201	10.4%
Gross Profit (GAAP)	25,206	-15.6%	128,356	7.9%
Gross Profit Margin	26.9%	(520) bps	32.6%	(130) bps
Adjusted Gross Profit (Constant Currency)	25,466	-13.7%	129,252	5.7%
Adj. Gross Profit Margin (Constant	27.2%	(499) bps	32.8%	(146) bps
Currency)				

<sup>\*</sup> Comparative information is relative to prior-year fourth quarter and full year for Continuing Operations



# **Transaction Update**

As previously announced, on May 11, 2021, Ferro Corporation entered into a definitive agreement to be acquired by an affiliate of Prince International Corporation ("Prince"), a portfolio company of American Securities LLC. We anticipate the transaction to close in the first half of the second quarter of 2022, subject to satisfaction of customary closing conditions, including receipt of regulatory approvals.

Due to the pending transaction, Ferro will not host a fourth quarter and full year 2021 earnings teleconference.

#### **Constant currency**

Constant currency results reflect the remeasurement of 2020 reported and adjusted local currency results using 2021 exchange rates, which produces constant currency comparatives for 2021 reported and adjusted results. These non-GAAP financial measures should not be considered as a substitute for the measures of financial performance prepared in accordance with GAAP.

#### **About Ferro Corporation**

Ferro Corporation (www.ferro.com) is a leading global supplier of technology-based functional coatings and color solutions. Ferro supplies functional coatings for glass, metal, ceramic and other substrates and color solutions in the form of specialty pigments and colorants for a broad range of industries and applications. Ferro products are sold into the building and construction, automotive, electronics, industrial products, household furnishings and appliance markets. The Company's reportable segments include: Functional Coatings and Color Solutions. Headquartered in Mayfield Heights, Ohio, the Company has approximately 3,600 associates globally and reported 2021 sales of \$1,126 million.

## **Cautionary Note on Forward-Looking Statements**

This communication contains "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. We intend for these forward-looking statements to be covered by the safe harbor provisions of the federal securities laws relating to forward-looking statements. These forward-looking statements include statements relating to the expected timing, completion and effects of the proposed merger, as well as other statements representing management's beliefs about, future events, transactions, strategies, operations and financial results, including, without limitation, our expectations with respect to the costs and other anticipated financial impacts of the merger; future financial and operating results of Ferro Corporation ("Ferro"); Ferro's plans, objectives, expectations and intentions with respect to future operations and services; required approvals to complete the merger by our shareholders and by governmental regulatory authorities, and the timing and conditions for such approvals; the stock price of Ferro prior to the consummation of the transactions; and the satisfaction of the closing conditions to the proposed merger. Such forward-looking statements often contain words such as "assume," "will," "anticipate," "believe," "predict," "project," "potential," "contemplate," "plan," "forecast," "estimate," "expect," "intend," "is targeting," "may," "should," "would," "could," "goal," "seek," "hope," "aim," "continue" and other similar words or expressions or the negative thereof or other variations thereon. Forward-looking statements are made based upon management's current expectations and beliefs and are not guarantees of future performance. Such forward-looking statements involve numerous assumptions, risks and uncertainties that may cause actual results to differ materially from those expressed or implied in any such statements. Our actual business, financial condition or results of operations may differ materially from those suggested by forward-looking statements as a result of risks and uncertainties which include, among others, those risks and uncertainties



### **Cautionary Note on Forward-Looking Statements (Con't)**

described in any of our filings with the Securities and Exchange Commission (the "SEC"). Certain other factors which may impact our business, financial condition or results of operations or which may cause actual results to differ from such forward-looking statements are discussed or included in our periodic reports filed with the SEC and are available on our website at www.ferro.com under "Investors." You are urged to carefully consider all such factors. Although it is believed that the expectations reflected in such forward-looking statements are reasonable and are expressed in good faith, such expectations may not prove to be correct and persons reading this communication are therefore cautioned not to place undue reliance on these forward-looking statements which speak only to expectations as of the date of this communication. We do not undertake or plan to update or revise forward-looking statements to reflect actual results, changes in plans, assumptions, estimates or projections, or other circumstances occurring after the date of this communication, even if such results, changes or circumstances make it clear that any forward-looking information will not be realized. If we make any future public statements or disclosures which modify or impact any of the forward-looking statements contained in or accompanying this communication, such statements or disclosures will be deemed to modify or supersede such statements in this communication.

### **Ferro Corporation**

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Table 1
Ferro Corporation and Subsidiaries
Condensed Consolidated Statements of Operations (unaudited)

(In thousands, except per share amounts)		Three Mor December 31			Twelve Months Ended December 31,						
		2021		2020		2021		2020			
Net sales	\$	266,347	\$	259,950	¢	1,126,264	\$	958,954			
Cost of sales	Ų	195,044	ٻ	180,842	Ų	781,645	۲	665,198			
Gross profit		71,303		79,108		344,619		293,756			
Selling, general and administrative expenses		50,425		48,006		217,809		202,413			
Restructuring and impairment charges		6,654		5,194		14,410		17,425			
Other expense (income):		,		,		,		Ź			
Interest expense		8,287		5,406		28,166		21,880			
Interest earned		(101)		(960)		(838)		(1,995)			
Foreign currency losses (gains), net		687		2,349		5,480		3,627			
Loss on extinguishment of debt		321		_		2,302		_			
Miscellaneous income, net		(29,917)		8,109		(35,267)		5,505			
Income before income taxes		34,947		11,004		112,557		44,901			
Income tax expense		9,269		4,497		39,215		14,861			
Income from continuing operations		25,678		6,507		73,342		30,040			
Income (loss) from discontinued operations, net of income		(10,285)		11,653		77,199		14,003			
Net income		15,393		18,160		150,541		44,043			
Less: Net income attributable to noncontrolling interests		409		418		1,710		1,244			
Net income attributable to Ferro Corporation common			_		_		_				
shareholders	\$	14,984	\$	17,742	\$	148,831	\$	42,799			
Earnings (loss) per share attributable to Ferro Corporation common shareholders:											
Basic earnings:											
Continuing operations	\$	0.30	\$	0.08	\$	0.86	\$	0.35			
Discontinued operations		(0.13)	•	0.14		0.93	•	0.17			
		, ,									
Diluted earnings:											
Continuing operations	\$	0.30	\$	0.08	\$	0.86	\$	0.35			
Discontinued operations		(0.13)		0.14		0.92		0.17			
Shares outstanding:											
Weighted-average basic shares		82,963		82,325		82,711		82,232			
Weighted-average diluted shares		83,848		82,938		83,597		83,024			
End-of-period basic shares		83,623		82,365		83,623		82,365			

Table 2
Ferro Corporation and Subsidiaries
Segment Net Sales, Gross Profit and SG&A (unaudited)

(Dollars in thousands)		Three Mor December 31			Twelve Months Ended December 31,				
		2021		2020		2021	2021		
Segment Net Sales									
Functional Coatings	\$	172,764	\$	166,867	\$	732,063	\$	608,192	
Color Solutions		93,583		93,083		394,201		350,762	
Total segment net sales	\$	266,347	\$	259,950	\$	1,126,264	\$	958,954	
5									
Segment Gross Profit									
Functional Coatings	\$	46,128	\$	49,759	\$	218,619	\$	175,601	
Color Solutions		25,206		29,849		128,356		119,071	
Other costs of sales		(31)		(500)		(2,356)		(916)	
Total gross profit	\$	71,303	\$	79,108	\$	344,619	\$	293,756	
Selling, general and administrative expenses									
Strategic services	\$	30,231	\$	24,883	\$	101,847	\$	94,357	
Functional services	·	18,119	·	20,405	·	95,349	·	92,679	
Incentive compensation		3,424		1,270		15,828		7,379	
Stock-based compensation		(1,349)		1,448		4,785		7,998	
Total selling, general and administrative expenses	\$	50,425	\$	48,006	\$	217,809	\$	202,413	

Table 3
Ferro Corporation and Subsidiaries
Condensed Consolidated Balance Sheets (unaudited)

(Dollars in thousands)	December 31 2021	, [	December 31, 2020
ASSETS			
Current assets			
Cash and cash equivalents	\$ 71,4	93 \$	174,077
Accounts receivable, net	130,9	54	137,008
Inventories	262,6	59	260,332
Other receivables	61,1	38	72,272
Other current assets	13,4	78	18,261
Current assets held-for-sale			307,854
Total current assets	539,7	32	969,804
Other assets			
Property, plant and equipment, net	321,7	56	330,045
Goodwill	171,8	14	175,351
Intangible assets, net	106,6	77	119,500
Deferred income taxes	98,1	99	115,962
Operating leased assets	13,1	36	15,446
Other non-current assets	38,5	30	80,618
Non-current assets held-for-sale			154,207
Total assets	\$ 1,290,0	24 \$	1,960,933
LIABILITIES AND EQUITY			
Current liabilities			
Loans payable and current portion of long-term debt	\$ 8,9	54 \$	8,839
Accounts payable	136,5	99	135,296
Accrued payrolls	31,4	16	27,166
Accrued expenses and other current liabilities	127,1	70	124,770
Current liabilities held-for-sale			107,545
Total current liabilities	304,1	19	403,616
Other liabilities			
Long-term debt, less current portion	251,3	10	791,509
Postretirement and pension liabilities	133,1	16	181,610
Operating leased non-current liabilities	8,8	19	10,064
Other non-current liabilities	44,4	97	62,050
Non-current liabilities held-for-sale			71,149
Total liabilities	741,9	21	1,519,998
Equity			
Total Ferro Corporation shareholders' equity	538,3	34	429,967
Noncontrolling interests	9,7	19	10,968
Total liabilities and equity	\$ 1,290,0	24 \$	1,960,933

Table 4
Ferro Corporation and Subsidiaries
Condensed Consolidated Statements of Cash Flows (unaudited)

(Dollars in thousands)	Three Mor December 31		Twelve Months Ended December 31,						
	2021	2020		2021		2020			
Cash flows from operating activities									
Net income	\$ 15,393	\$ 18,160	\$	150,541	\$	44,043			
Loss (gain) on sale of assets	4,772	168		(93,974)		246			
Depreciation and amortization	10,116	9,636		40,214		40,289			
Interest amortization	489	1,108		2,090		3,974			
Restructuring and impairment	2,903	2,843		3,027		9,787			
Loss on extinguishment of debt	321	_		2,302		_			
Changes in current assets and liabilities:									
Accounts receivable	(4,926)	(33,779)		(127,473)		(141,330)			
Inventories	2,981	26,463		(18,076)		36,485			
Accounts payable	10,084	51,905		10,859		(26,671)			
Other current assets and liabilities, net	(46,789)	7,701		(16,806)		18,451			
Other adjustments, net	(3,998)	9,084		(26,307)		1,534			
Net cash provided by (used in) operating activities	3,646	93,289		(61,303)		(13,192)			
Cash flows from investing activities									
Capital expenditures for property, plant and equipment and other long-lived assets	(4,275)	(10,102)		(29,959)		(31,783)			
Collections of financing receivables	27,433	32,670		118,095		129,969			
Proceeds from sale of businesses, net	(13,143)	_		402,087		_			
Business acquisitions, net of cash acquired	2,200	_		_		_			
Other investing activities	_	4		436		807			
Net cash provided by investing activities	12,215	22,572		490,659		98,993			
Cash flows from financing activities									
Net borrowings (payments) under loans payable	125	(26)		94		(709			
Principal payments on term loan facility - Amended Credit Facility	(102,050)	(2,050)		(543,200)		(8,200)			
Proceeds from revolving credit facility - Amended Credit Facility	_	774		50,000		399,110			
Principal payments on revolving credit facility - Amended Credit Facility	_	(6,514)		(50,000)		(399,110)			
Proceeds from exercise of stock options	11,575	756		11,575		756			
Other financing activities	(2,499)	(1,167)		(6,521)		(1,895)			
Net cash used in financing activities	(92,849)	(8,227)		(538,052)		(10,048)			
Effect of exchange rate changes on cash and cash equivalents	(273)	1,948		(2,088)		2,122			
Increase (decrease) in cash and cash equivalents	(77,261)	109,582		(110,784)		77,875			
Cash and cash equivalents at beginning of period	148,754	72,695		182,277		104,402			
Cash and cash equivalents at end of period	71,493	182,277		71,493		182,277			
Less: Cash and cash equivalents of discontinued operations at end of period	_	8,200		_		8,200			
Cash and cash equivalents of continuing operations at end of period	\$ 71,493	\$ 174,077	\$	71,493	\$	174,077			
Cash paid during the period for:									
Interest	\$ 7,313	\$ 11,109	\$	29,256	\$	31,285			
Income taxes	7,445	6,643		24,082		19,648			

Table 5
Ferro Corporation and Subsidiaries
Supplemental Information
Reconciliation of Reported Income to Adjusted Income
For the Three Months Ended December 31 (unaudited)

(Dollars in thousands, except per share amounts)	Co	st of sales	adr	ing general and ninistrative expenses	estructuring and npairment charges	nent Othe		ncome tax expense <sup>6</sup>	at	let income ttributable to common areholders	e	Diluted arnings per share
As reported	\$	195,044	\$	50,425	\$ 6,654	\$	(20,723)	\$ 9,269	\$	25,269	\$	0.30
Adjustments:							, , ,					
Restructuring		_		_	(6,654)		_	_		6,654		0.08
Pension <sup>1</sup>		_		_	_		25,563	_		(25,563)		(0.31)
Acquisition related costs <sup>2</sup>		_		(4,872)	_		1,352	_		3,520		0.04
Costs related to optimization projects <sup>4</sup>		(428)		(1,820)	_		(7,601)	_		9,849		0.12
Costs related to divested businesses and assets		_		(1,675)	_		(4,000)	_		5,675		0.07
Tax on adjustments		_		_	_		_	(142)		142		_
Total adjustments <sup>7</sup>		(428)		(8,367)	(6,654)		15,314	(142)		277		_
As adjusted	\$	194,616	\$	42,058	\$ 	\$	(5,409)	\$ 9,127	\$	25,546	\$	0.30
				•	·					·	-	
							2020					
As reported	\$	180,842	\$	48,006	\$ 5,194	\$	14,904	\$ 4,497	\$	6,226	\$	0.08
Adjustments:												
Restructuring		_		_	(5,194)		_	_		5,194		0.06
Pension <sup>1</sup>		_		_	_		(10,029)	_		10,029		0.12
Acquisition related				(1.46)			652			(507)		(0.01)
costs <sup>3</sup>		_		(146)	_		653	_		(507)		(0.01)
Costs related to												
optimization projects <sup>5</sup>		(1,494)		(2,068)	_		_	_		3,562		0.04
Costs related to divested businesses and assets		_		(799)	_		(172)	_		971		0.01
Tax on adjustments						_	_	 4,583		(4,583)		(0.06)
Total adjustments <sup>7</sup>		(1,494)		(3,013)	(5,194)		(9,548)	4,583		14,666		0.18
As adjusted	\$	179,348	\$	44,993	\$ 	\$	5,356	\$ 9,080	\$	20,892	\$	0.26

- (1) The adjustments relate to pension and other postretirement benefit mark-to-market adjustments and settlements.
- (2) The adjustments to "Selling general and administrative expenses" primarily include legal, professional and other expenses related to acquisition costs.
- (3) The adjustments to "Selling general and administrative expenses" primarily include legal, professional and other expenses related to acquisition costs.
- (4) Costs related to Optimization projects of \$9.8 million include costs associated with our Americas manufacturing optimization initiative of \$1.0 million, which is comprised of costs for process development and production testing, professional fees for legal and tax services, supplies and equipment commissioning, and utility setup and testing. The remaining \$8.9 million of costs relate to global optimization projects and discrete projects at our previous acquisitions.

- (5) Costs related to Optimization projects of \$3.6 million include costs associated with our Americas manufacturing optimization initiative of \$2.5 million, which is comprised of costs for process development and production testing, professional fees for legal and tax services, supplies and equipment commissioning, and utility setup and testing. The remaining \$1.1 million of costs relate to global optimization projects and discrete projects at our previous acquisitions.
- (6) Income tax expense reflects the reported expense, adjusted for adjustments being tax effected at the respective statutory rate where the item originated.
- (7) Due to rounding, total earnings per share related to adjustments does not always add to the total adjusted earnings per share.

It should be noted that adjusted net income, earnings per share and other adjusted items referred to above are financial measures not required by, or presented in accordance with, accounting principles generally accepted in the United States (U.S. GAAP). These Non-GAAP financial measures should be considered as a supplement to, and not as a substitute for, the financial measures prepared in accordance with U.S. GAAP, and a reconciliation of these financial measures to the most comparable U.S. GAAP financial measures is presented. We believe by excluding these costs, our adjusted earnings per share better reflect our underlying business performance, as well as being considered in our internal evaluation of financial performance. These costs are ones that we have concluded are not normal, recurring cash operating expenses necessary to operate our business, and we believe it is useful to present this non-GAAP financial measure to provide investors greater comparability of our base business.

Table 6
Ferro Corporation and Subsidiaries
Supplemental Information
Reconciliation of Reported Income to Adjusted Income
For the Twelve Months Ended December 31 (unaudited)

(Dollars in thousands, except per share amounts)	Cos	st of sales	ad	lling general and ministrative expenses		estructuring and mpairment charges	Other expense, net		expense, net		expense, net		expense, net		expense, net		expense, net		Other expense, ne			ncome tax expense <sup>6</sup>	а	let income ttributable to common nareholders	6	Diluted earnings per share
A a way a who al	۲.	701 645	۲	247.000	۲.	14 410	۲	(4 5 7 )	۲	20.245	۲	71 606	۲	0.00												
As reported Adjustments:	\$	781,645	\$	217,809	\$	14,410	\$	(157)	Ş	39,215	\$	71,696	\$	0.86												
Restructuring		_		_		(14,410)		_		_		14,410		0.17												
Pension <sup>1</sup>		_		_		(14,410)		25,563		_		(25,563)		(0.31)												
Acquisition related								23,303				(23,303)		(0.31)												
costs <sup>2</sup>		_		(17,830)		_		(5,623)		_		23,453		0.28												
Costs related to				(=/,000)				(5,525)				20, .00		0.20												
optimization projects <sup>4</sup>		(5,530)		(6,218)		_		(7,601)		_		19,349		0.23												
Costs related to divested				(2.747)				(4.005)				7 000		0.00												
businesses and assets		_		(3,717)		_		(4,086)		_		7,803		0.09												
Tax on adjustments			_							4,728		(4,728)	_	(0.06)												
Total adjustments <sup>7</sup>		(5,530)	_	(27,765)	_	(14,410)	_	8,253	_	4,728	_	34,724	_	0.42												
As adjusted	<u>\$</u>	776,115	\$	190,044	\$		\$	8,096	\$	43,943	\$	106,420	\$	1.28												
								2020																		
As reported	\$	665,198	\$	202,413	\$	17,425	\$	29,017	\$	14,861	\$	28,967	\$	0.35												
Adjustments:																										
Restructuring		_		_		(17,425)		_		_		17,425		0.21												
Pension <sup>1</sup>		_		_		_		(10,029)		_		10,029		0.12												
Acquisition related		(0)		(4.555)																						
costs <sup>3</sup>		(9)		(1,369)		_		653		_		725		0.01												
Costs related to																										
optimization projects <sup>5</sup>		(6,156)		(9,296)		_		_		_		15,452		0.19												
Costs related to divested businesses and assets		_		(4,805)		_		(479)		_		5,284		0.06												
Other		(453)		_		_		(1,044)		_		1,497		0.02												
Tax on adjustments		_		_		_		_		11,842		(11,842)	_	(0.14)												
Total adjustments <sup>7</sup>	\$	(6,618)	\$	(15,470)	\$	(17,425)	\$	(10,899)	\$	11,842	\$	38,570	\$	0.46												
As adjusted	\$	658,580	\$	186,943	\$	_	\$	18,118	\$	26,703	\$	67,537	\$	0.81												

- (1) The adjustments relate to pension and other postretirement benefit mark-to-market adjustments and settlements.
- (2) The adjustments to "Selling general and administrative expenses" primarily include legal, professional and other expenses related to acquisition costs.
- (3) The adjustments to "Selling general and administrative expenses" primarily include legal, professional and other expenses related to acquisition costs.
- (4) Cost related to Optimization projects of \$19.3 million includes costs associated with our Americas manufacturing optimization initiative of \$6.5 million, which is comprised of costs for process development and production testing, professional fees for legal and tax services, supplies and equipment commissioning, and utility setup and testing. The remaining \$12.8 million of costs relate to global optimization projects and discrete projects at our previous acquisitions.

- (5) Cost related to Optimization projects of \$15.5 million includes costs associated with our Americas manufacturing optimization initiative of \$9.8 million, which is comprised of costs for process development and production testing, professional fees for legal and tax services, supplies and equipment commissioning, and utility setup and testing. The remaining \$5.7 million of costs relate to global optimization projects and discrete projects at our previous acquisitions.
- 6) Income tax expense reflects the reported expense, adjusted for adjustments being tax effected at the respective statutory rate where the item originated.
- (7) Due to rounding, total earnings per share related to adjustments does not always add to the total adjusted earnings per share.

It should be noted that adjusted net income, earnings per share and other adjusted items referred to above are financial measures not required by, or presented in accordance with, accounting principles generally accepted in the United States (U.S. GAAP). These Non-GAAP financial measures should be considered as a supplement to, and not as a substitute for, the financial measures prepared in accordance with U.S. GAAP, and a reconciliation of these financial measures to the most comparable U.S. GAAP financial measures is presented. We believe by excluding these costs, our adjusted earnings per share better reflect our underlying business performance, as well as being considered in our internal evaluation of financial performance. These costs are ones that we have concluded are not normal, recurring cash operating expenses necessary to operate our business, and we believe it is useful to present this non-GAAP financial measure to provide investors greater comparability of our base business.

Table 7
Ferro Corporation and Subsidiaries
Supplemental Information
Constant Currency Schedule of Adjusted Operating Profit (unaudited)

(Dollars in thousands)	Three Months Ended December 31,											
		2020	Ad	justed 2020¹	ı ı	2021	202	21 vs Adjusted 2020				
Segment net sales												
Functional Coatings	\$	166,867	\$	163,403	\$	172,764	\$	9,361				
Color Solutions		93,083		91,619		93,583		1,964				
Total segment net sales	\$	259,950	\$	255,022	\$	266,347	\$	11,325				
Segment adjusted gross profit												
Functional Coatings	\$	51,157	\$	50,014	\$	46,227	\$	(3,787)				
Color Solutions		29,851		29,502		25,466		(4,036)				
Other costs of sales		(407)		(398)		41		439				
Total adjusted gross profit <sup>2</sup>	\$	80,601	\$	79,118	\$	71,734	\$	(7,384)				
Adjusted selling, general and administrative expenses												
Strategic services	\$	22,643	\$	22,215	\$	23,310	\$	1,095				
Functional services		19,647		19,406		16,667		(2,739)				
Incentive compensation		1,244		1,143		3,424		2,281				
Stock-based compensation		1,448		1,448		(1,349)		(2,797)				
Total adjusted selling, general and administrative expenses <sup>3</sup>	\$	44,982	\$	44,212	\$	42,052	\$	(2,160)				
Adjusted operating profit	\$	35,619	\$	34,906	\$	29,682	\$	26,707				
Adjusted operating profit as a % of net sales	т	13.7 %	•	13.7 %	- '	11.1 %	•	=3,: 37				

- (1) Reflects the remeasurement of 2020 reported and adjusted local currency results using 2021 exchange rates, resulting in constant currency comparative figures to 2021 reported and adjusted results. See Table 5 for Non-GAAP adjustments applicable to the three month period.
- (2) Refer to Table 7 for the reconciliation of adjusted gross profit for the three months ended December 31, 2021 and 2020, respectively.
- (3) Refer to Table 5 for the reconciliation of adjusted SG&A expenses for the three months ended December 31, 2021 and 2020, respectively.

It should be noted that adjusted net sales, gross profit, SG&A expenses, and operating profit are financial measures not required by, or presented in accordance with, accounting principles generally accepted in the United States (U.S. GAAP). These Non-GAAP financial measures should be considered as a supplement to, and not as a substitute for, the financial measures prepared in accordance with U.S. GAAP and a reconciliation of these financial measures to the most comparable U.S. GAAP financial measures are presented within this table, as well as Table 5 and Table 7. We believe this data provides investors with additional useful information on the underlying operations and trends of the business and enables period-to-period comparability of financial performance.

Table 8
Ferro Corporation and Subsidiaries
Supplemental Information
Constant Currency Schedule of Adjusted Operating Profit (unaudited)

(Dollars in thousands)		Twelve Months Ended December 31,						
		2020	Adjusted 2020 <sup>1</sup>		2021		Ad	2021 vs justed 2020
Segment net sales								
Functional Coatings	\$	608,192	\$	618,504	\$	732,063	\$	113,559
Color Solutions		350,762		357,044		394,201		37,157
Total segment net sales	\$	958,954	\$	975,548	\$	1,126,264	\$	150,716
Segment adjusted gross profit								
Functional Coatings	\$	181,059	\$	183,989	\$	222,150	\$	38,161
Color Solutions		119,550		122,267		129,252		6,985
Other costs of sales		(237)		(233)		(1,251)		(1,018)
Total adjusted gross profit <sup>2</sup>	\$	300,372	\$	306,023	\$	350,151	\$	44,128
Adjusted selling, general and administrative expenses								
Strategic services	\$	91,862	\$	93,739	\$	94,359	\$	620
Functional services		79,699		81,106		75,071		(6,035)
Incentive compensation		7,380		7,303		15,825		8,522
Stock-based compensation		7,998		7,998		4,785		(3,213)
Total adjusted selling, general and administrative <sup>3</sup>	\$	186,939	\$	190,146	\$	190,040	\$	(106)
	<u> </u>	·	<del>-</del>	·	· <u>-</u>		_	· ·
Adjusted operating profit	\$	113,433	\$	115,877	\$	160,111	\$	44,234
Adjusted operating profit as a % of net sales		11.8%		11.9%		14.2%		
Aujusteu operating profit as a % of flet sales		11.8%		11.9%		14.2%		

- (1) Reflects the remeasurement of 2020 reported and adjusted local currency results using 2021 exchange rates, resulting in constant currency comparative figures to 2021 reported and adjusted results. See Table 6 for Non-GAAP adjustments applicable to the twelve month period.
- (2) Refer to Table 7 for the reconciliation of adjusted gross profit for the twelve months ended December 31, 2021 and 2020, respectively.
- (3) Refer to Table 6 for the reconciliation of adjusted SG&A expenses for the twelve months ended December 31, 2021 and 2020, respectively.

It should be noted that adjusted net sales, gross profit, SG&A expenses, and operating profit are financial measures not required by, or presented in accordance with, accounting principles generally accepted in the United States (U.S. GAAP). These Non-GAAP financial measures should be considered as a supplement to, and not as a substitute for, the financial measures prepared in accordance with U.S. GAAP and a reconciliation of these financial measures to the most comparable U.S. GAAP financial measures are presented within this table, as well as Table 6 and Table 7. We believe this data provides investors with additional useful information on the underlying operations and trends of the business and enables period-to-period comparability of financial performance.

Table 9
Ferro Corporation and Subsidiaries
Supplemental Information
Reconciliation of Net Income Attributable to Ferro Corporation
Common Shareholders to Adjusted EBITDA (unaudited)

(Dollars in thousands)	 Three Months Ended December 31, (Unaudited)				Twelve Months Ended December 31,			
	 2021		2020		2021		2020	
Net income attributable to Ferro Corporation common shareholders	\$ 25,269	\$	6,089	\$	71,632	\$	28,796	
Net income attributable to noncontrolling interests	409		418		1,710		1,244	
Restructuring and impairment charges	6,654		5,194		14,410		17,425	
Other (income) expense, net	(29,010)		9,498		(28,323)		7,137	
Interest expense	8,287		5,406		28,166		21,880	
Income tax expense	9,269		4,497		39,215		14,861	
Depreciation and amortization	10,597		10,744		42,294		44,263	
Less: interest amortization expense and other	(489)		(1,108)		(2,090)		(3,974)	
Cost of sales adjustments <sup>1</sup>	428		1,494		5,530		6,618	
SG&A adjustments <sup>1</sup>	8,367		3,013		27,765		15,470	
Adjusted EBITDA	\$ 39,781	\$	45,245	\$	200,309	\$	153,720	
Net sales	\$ 266,347	\$	259,950	\$	1,126,264	\$	958,954	
Adjusted EBITDA as a % of net sales	14.9 %	ı	17.4 %		17.8 %		16.0 %	

<sup>(1)</sup> For details of Non-GAAP adjustments, refer to Table 5 and Table 6 for the reconciliation of adjusted cost of sales and adjusted SG&A for the three and twelve months ended December 31, 2021 and 2020, respectively.

It should be noted that adjusted EBITDA is a financial measure not required by, or presented in accordance with, accounting principles generally accepted in the United States (U.S. GAAP). This Non-GAAP financial measure should be considered as a supplement to, and not as a substitute for, the financial measures prepared in accordance with U.S. GAAP and a reconciliation of this financial measure to the most comparable U.S. GAAP financial measure is presented. We believe this data provides investors with additional useful information on the underlying operations and trends of the business and enables period-to-period comparability of financial performance.

Table 10
Ferro Corporation and Subsidiaries
Supplemental Information
Change in Net Debt (unaudited)

(Dollars in thousands)	Three Months Ended December 31, (Unaudited)			 	nths Ended ber 31,		
		2021		2020	2021		2020
Beginning of period							
Gross debt	\$	362,825	\$	811,556	\$ 804,067	\$	811,450
Cash		148,754		64,495	174,077		96,202
Debt, net of cash		214,071		747,061	629,990		715,248
Unamortized debt issuance costs		1,242		4,017	 3,719		3,885
Debt, net of cash and unamortized debt issuance costs		212,829		743,044	626,271		711,363
End of period							
Gross debt		243,146		800,348	243,146		800,348
Cash		71,493		174,077	71,493		174,077
Debt, net of cash		171,653		626,271	171,653		626,271
Unamortized debt issuance costs		800		3,719	800		3,719
Debt, net of cash and unamortized debt issuance costs		170,853		622,552	 170,853		622,552
Unamortized debt issuance costs		(442)		(298)	(2,919)		(166)
FX on cash		(273)		1,948	(2,088)		2,122
Period decrease in debt, net of cash, unamortized debt							
issuance costs and FX	\$	42,691	\$	118,842	\$ 460,425	\$	86,855
Period decrease in debt, net of cash and unamortized debt issuance costs	\$	41,976	\$	120,492	\$ 455,418	\$	88,811

It should be noted that the change in net debt is a financial measure not required by, or presented in accordance with, accounting principles generally accepted in the United States (U.S. GAAP). This Non-GAAP financial measure should be considered as a supplement to, and not as a substitute for, the financial measures prepared in accordance with U.S. GAAP and a reconciliation of this financial measure to the most comparable U.S. GAAP financial measure is presented. We believe this data provides investors with additional useful information on the underlying operations and trends of the business and enables period-to-period comparability of financial performance.

Table 11
Ferro Corporation and Subsidiaries
Supplemental Information
Reconciliation of Net Cash Used in Operating Activities (GAAP) to
Adjusted Free Cash Flow (Non-GAAP) (unaudited)

(Dollars in thousands)	Three Months Ended				Twelve Months Ended			
· ·	 December 31, (Unaudited)				December 31,			
	 2021		2020		2021		2020	
Cash flows from operating activities								
Net income	\$ 15,393	\$	18,160	\$	150,541	\$	44,043	
Loss (gain) on sale of assets	4,772		168		(93,974)		246	
Depreciation and amortization	10,116		9,636		40,214		40,289	
Interest amortization	489		1,108		2,090		3,974	
Restructuring and impairment	2,903		2,843		3,027		9,787	
Loss on extinguishment of debt	321		_		2,302		_	
Accounts receivable	(4,926)		(33,779)		(127,473)		(141,330)	
Inventories	2,981		26,463		(18,076)		36,485	
Accounts payable	10,084		51,905		10,859		(26,671)	
Other current assets and liabilities, net	(46,789)		7,701		(16,806)		18,451	
Other adjustments, net	 (3,998)		9,084		(26,307)		1,534	
Net cash provided by (used in) operating activities (GAAP)	(8,654)		93,289		(73,603)		(13,192)	
Less: Capital Expenditures	(4,275)		(10,102)		(29,959)		(31,783)	
Plus: Cash collected for AR securitization	 27,433		32,670		118,095		129,969	
Adjusted Free Cash Flow (Non-GAAP)	\$ 14,504	\$	115,857	\$	14,533	\$	84,994	
Net Income Attributable to Ferro Corporation Common Shareholders	\$ 14,984	\$	17,742	\$	148,831	\$	42,799	
Adjusted Free Cash Flow Conversion of Net Income Attributable to Ferro Corporation Common Shareholders	96.8 %		653.0 %		9.8%		198.6%	

It should be noted that Adjusted Free Cash Flow is a financial measure not required by, or presented in accordance with, accounting principles generally accepted in the United States (U.S. GAAP). The Non-GAAP financial measures should be considered as a supplement to, and not as a substitute for, the financial measures prepared in accordance with U.S. GAAP and a reconciliation of these financial measures to the most comparable U.S. GAAP financial measures is presented. Adjusted Free Cash Flow (Non-GAAP) is calculated as Cash Flow used in operating activities (GAAP), less capital expenditures and adding cash collected from the Accounts Receivable Securitization program. We believe this data provides investors with additional useful information on the underlying operations and trends of the business and enables period-to-period comparability of financial performance.

Table 12
Ferro Corporation and Subsidiaries
Supplemental Information
Reconciliation of Net Sales and Gross Profit
Adjusted Net Sales and Gross Profit (non-GAAP) (unaudited)

		Net Sales		Gross Profit				
		2021						
As Reported (GAAP)	\$	1,126,264	\$	344,619				
Non-GAAP Adjustments <sup>1</sup>		_		5,530				
Constant Currency FX Impact <sup>2</sup>		_		_				
As Adjusted from Continuing Operations (Non-GAAP measure)	\$	1,126,264	\$	350,149				
		20	20					
As Reported (GAAP)	\$	958,954	\$	293,756				
Non-GAAP Adjustments <sup>1</sup>		_		6,618				
Constant Currency FX Impact <sup>2</sup>		16,593		5,649				
As Adjusted from Continuing Operations (Non-GAAP measure)	\$	975,547	\$	306,023				
		20	19					
As Reported (GAAP)	\$	1,014,457	\$	307,976				
Non-GAAP Adjustments <sup>1</sup>	·	_		7,197				
Constant Currency FX Impact <sup>2</sup>		(15,002)		(4,565)				
As Adjusted from Continuing Operations (Non-GAAP measure)	\$	999,455	\$	310,608				
		20	18					
As Reported (GAAP)	\$	1,074,696	\$	338,389				
Non-GAAP Adjustments <sup>1</sup>		_		6,347				
Constant Currency FX Impact <sup>2</sup>		13,971		3,910				
As Adjusted from Continuing Operations (Non-GAAP measure)	\$	1,088,667	\$	348,646				
		20	17					
As Reported (GAAP)	\$	996,382	)17 \$	326,719				
Non-GAAP Adjustments <sup>1</sup>	•	_		8,774				
Constant Currency FX Impact <sup>2</sup>		2,289		(583)				
As Adjusted from Continuing Operations (Non-GAAP measure)	\$	998,671	\$	334,910				

- (1) For 2021 and 2020, refer to Table 6 for a description of the Non-GAAP adjustments that were recorded in "Cost of Sales". For 2019, 2018, and 2017, the Non-GAAP adjustments relate to acquisitions related costs, costs related to certain optimization projects, and costs related to divested businesses and assets.
- (2) Reflects the remeasurement of 2020, 2019, 2018 and 2017 reported and adjusted results using 2021 average exchange rates, resulting in a constant currency comparative figures to 2021 reported and adjusted results.

It should be noted that adjusted net sales and adjusted gross profit referred to above are financial measures not required by, or presented in accordance with, accounting principles generally accepted in the United States (U.S. GAAP). These Non-GAAP financial measures should be considered as a supplement to, and not as a substitute for, the financial measures prepared in accordance with U.S. GAAP and a reconciliation of these financial measures to the most comparable U.S. GAAP financial measures is presented. We believe this data provides investors with additional useful information on the underlying operations and trends of the business and enables period-to-period comparability of financial performance.