

# 2018 FY Results

27 March 2019





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## Agenda





Highlights of 2018

Financial review

Operational and strategic review

Summary and outlook

Appendix



# Highlights of 2018







€3.1bn 21%<sup>1</sup>
2018 revenue
13.9% 460bps<sup>1</sup>
2018 adjusted EBITA margin
€428m 81%<sup>1</sup>
2018 adjusted EBITA

**1.2x** 



Net debt / adjusted EBITDA

15.4%



Working capital intensity

€1.50

100%

Proposed final dividend per share

Notes:1) Represents the change between 2018 and 2017 adjusted pro forma figures at constant currency. 2017 adjusted pro forma results are prepared on a constant currency basis and before the impact of items such as: divestments, restructuring expenses, merger-related adjustments and non-merger related other income and expenses, which are generally non-recurring. Adjusted 2018 figures exclude other income and expenses

## Delivering the value of the merger



#### **Merger commitments**

- Capture €40m of synergies in first year of merger and €70m altogether
- Offset merger related divestments and revenue dissynergies
- Divest EU commission mandated assets
- Restructure balance sheet, enhance maturity profile and reduce interest expenses by €20m per year
- Focus on deleveraging balance sheet to below 2.0x net debt EBITDA
- Reduce working capital intensity from 26% premerger
- Develop new growth strategy with increased potential of the group
- Acquisition of Magnesita's outstanding minority shareholding

#### 2018 achievements

- ✓ €70m delivered in 2018 and €110m 2020 target on track
- ✓ Business revenue growth; volume up 5% in 2018
- ✓ €40m raised with the sale of divested businesses in November 2017
- ✓ Around €0.8 billion refinanced and annualised savings of €24m achieved
- ✓ 2018 year-end leverage reduced to 1.2x (from 2.6x at merger) within 14 months
- ✓ Working capital intensity reduced to 15.4% in 2018
- Growth targets announced; driven by growth markets in the short term and new business models in the longer term
- ✓ 97.5% ownership and delisting achieved in Q1 2019

Creation of one team, one culture, one company that leads the refractory industry



## 2018 operational highlights

Strong delivery in the first full financial year of RHI Magnesita

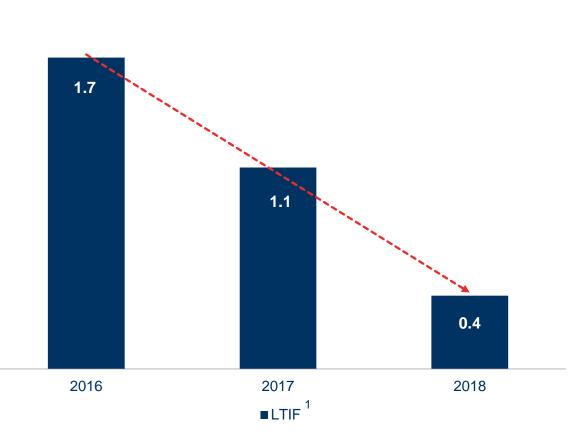
- Strong performance underpinned by robust demand and pricing environment
  - Significant step up in operating margins
  - Continued benefit of vertically integrated model
  - Outperformance on synergy delivery (€70m against plan of €60m)
- Stable market conditions, healthy levels of customer demand and high raw material prices drove:
  - Steel Division: +15% revenue growth; gross margin +60bps to 23.7%
  - Industrial Division: +33% revenue growth; gross margin +200bps to 24.5%
  - Significant progress in growth markets: China revenue +36% and India +21%
- Some operational and supply chain issues in H2
  - Root causes identified and improvement plans in place to resolve in 2019

# **Prioritising safety**



## Our goal is to build an industry leading safety culture with zero accidents

#### Improving safety performance



#### Continued focus on safety

- Intensive 'Safety First' campaign is yielding benefits
- Lost Time Injury Frequency ("LTIF") rate reduced by 60% in 2018 to all time low of 0.4
- Target to drive zero accidents
- 22 sites certified to OHSAS 18001
- Transitioning all certified sites to ISO 45001 by the end of 2020

Notes: 1) Lost Time Injury Frequency rate per 200,000 hours

# A clear and compelling strategy

RHI MAGNESITA

Enabling us to add value through a full suite of products & services



## People

Hire, retain and motivate talent and nurture a meritocratic, performancedriven, customer-focused and friendly culture

## **Business model**

Leading service and solution provider in the refractory industry with an extensive portfolio based on leading material science, innovative technologies and digitalisation

## Markets

Worldwide presence with strong local organisations and solid market positions in all major markets

## Competitiveness

Low-cost producer of technically advanced refractory materials with safe production network

## Progress in 2018

- Integration of c.14,000 employees worldwide
- Roll out of cultural values and international career programmes in place
- Diversity targets in place
- Strong leadership team in place across regions and key functions
- Exploring new business models focused on new customer requirements
- Application of automation and product differentiation
- Developing new services beyond refractory materials
- 15% global market share (30% ex-China)
- Continued to strengthen leading position across established markets,
- Strong growth and market share increases in India & China
- €70 million synergies realised in 2018 (€110m overall target)
- Established global business services team & Supply Chain Management department
- c.€63 million expenditure on R&D and Technical Marketing in 2018





# Financial review



## Profit and loss

### Overview

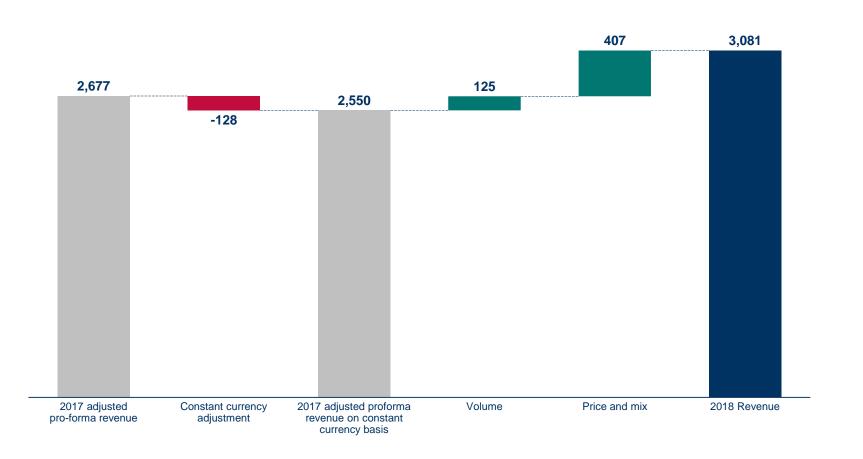
€m	2018	<b>2017</b> <sup>1</sup>	Change
Revenue	3,081.4	2,549.6	21%
CoGS	(2,344.5)	(1,989.1)	18%
Gross profit	736.9	560.5	31%
Gross margin	23.9%	22.0%	190bps
SG&A	(337.3)	(350.4)	(4%)
Other expenses	(0.9)	14.2	(106%)
EBIT	398.6	224.2	78%
Amortisation	(28.6)	(25.9)	11%
Adjusted EBITA	428.1	235.9	81%
Adjusted EBITA (%)	13.9%	9.3%	460bps



- Significant revenue growth of 21% driven by:
  - Robust end markets
  - Continued high raw material pricing
  - Growth in Steel and Industrial Divisions
- Adjusted EBITA up 81% from
  - Improving gross margin +190bps
  - Some deterioration in H2 due to identified operational problems
  - Reducing SG&A with successful implementation of the synergies

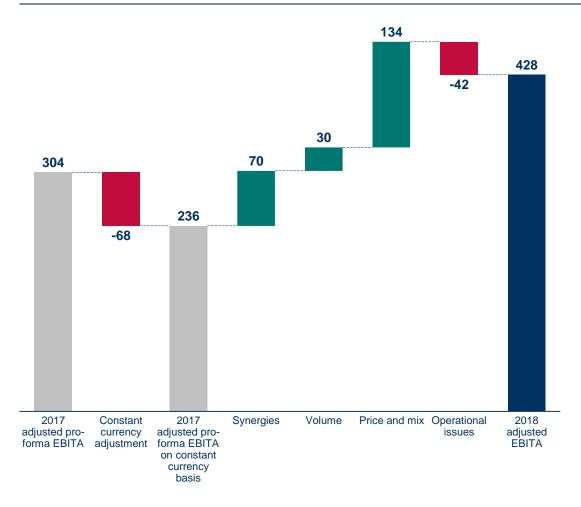


# 2018 revenue bridge





# 2018 EBITA bridge



- Synergy benefits amounted to €70m (ahead of €60m target)
- EBITA benefitting from both good volume growth and price/mix development
- Financial performance driven by the underlying strength of the markets in which we operate
  - Steel Division gross margin up 60bps
  - Industrial Division gross margin up 200 bps
- Operational issues in H2 impacted the result
  - Specific production issues at four plants (out of 35)
  - Supply chain costs and inventory write-offs to reduce inventories
  - Total EBITA impact of €42m
- Root causes identified and improvement plans in place at all four plants
  - Already showing some benefits
  - Expectation of recouping at least €20m in 2019

# Reconciliation of adjusted earnings



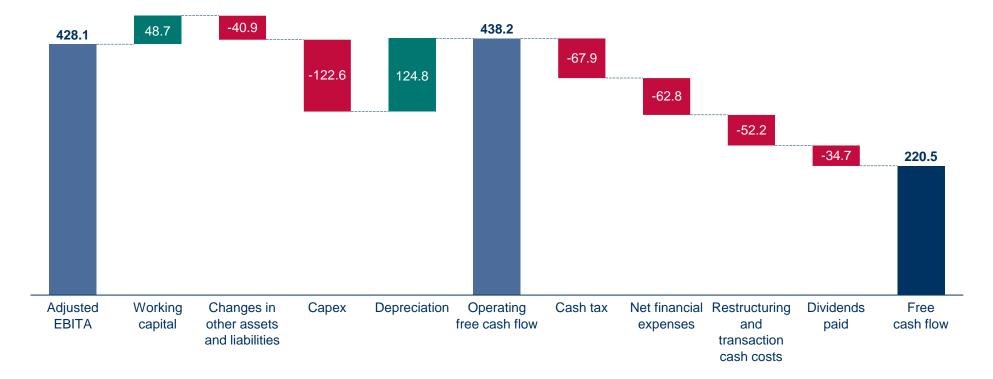
Reported			Adjusted
€m	2018	Adjustment items	2018
EBITA	427.2	0.9	428.1
Amortisation	(28.6)	28.6	-
Net financial expenses	(162.7)	76.6	(86.1)
Share of profit of joint ventures	10.1		10.1
Profit before tax	246.0		352.2
Income tax (23.9%)	(58.9)	(25.4)	(84.3) <sup>1</sup>
Profit after tax	187.1		267.9
Profit attributable to shareholders	158.1		238.9
EPS	3.52 <sup>2</sup>		5.31 <sup>2</sup>

Notes: 1) Taxed at Group tax rate of 23.9% 2) At 44.9m shares outstanding

## Cash flow overview



- Operating free cash flow driven by increase in adjusted EBITA and working capital efficiency
- Working capital requirements were cash generative, albeit partially offset by inventory consumption and higher raw material prices
- Net financial expenses of €62.8m expected to decrease in 2019 as a result of the refinancing of the more expensive legacy debt
- Restructuring and transaction costs amounted to €52.2m in FY 2018



# Effective working capital management



Leading to strong cash generation

Working capital intensity



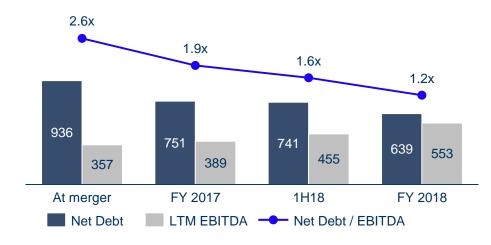


Notes: 1) Working capital for 2017 measured as a % of adjusted pro-forma second half annualised revenues. 2) Working capital for 2018 based on annualised last 3 months revenues.

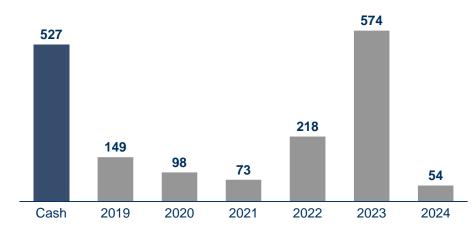
## **Capital structure**



Solid credit profile and commitment to de-leveraging current business



Amortisation schedule (€m as of 31 December 2018)



 During 2018 RHIM refinanced c.€800 million of its capital structure, including the redemption of Magnesita's legacy Bonds, achieving funding costs commensurate with its stronger credit profile

Capitalisation table	€m
OeKB Term Loan	306
US\$ Term loan + RCF	358
Other loans & facilities	502
Total gross indebtedness	1,166
Cash, equivalents & marketable securities	527
Net debt	639

## 2019 technical guidance



- Synergy benefits: further €20m P&L impact in 2019 (cumulative €90m)
- Total capital expenditure: €175m
  - Maintenance capex: €110m
  - Additional project capex: €65m
  - Dolomite expansion in Chizhou: €30m
  - Supporting growth projects in York and India, cost saving initiatives in Supply Chain and plant rationalisation: €35m
- Depreciation: €125m
- Amortisation: €25m
- Tax rate: c.24%
- Net interest expense: €30m (excluding pensions)
- IFRS 16: No net impact on profit before tax or net cash flow expected

# Operational and strategic review



# Robust organic growth capacity, alongside significant expansion potential



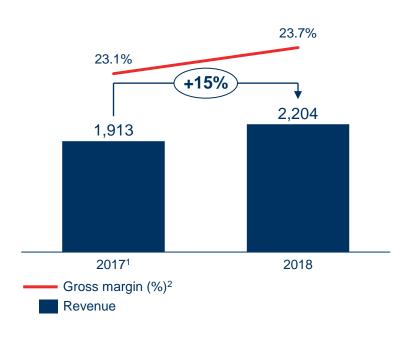
Delivering through-cycle growth – 1-3% organic and 1-3% through acquisitions



# Steel Division – 2018 review



#### Revenue (€m) and gross margin (%)



#### 2018 performance

- Strong revenue growth in North America increased crude steel production, focus on key strategic initiatives, enhanced product portfolio and market price adjustments
- Good organic growth in Europe despite a weakening market overall, we have grown volumes and improved pricing, partially offset by underperformance at certain plants with some supply chain issues. Issues identified and confidence in resolving in 2019
- Strong market position in South America revenue impacted by wider political instability, but profitability increased as a result of improved product mix, better technical results in performance contracts
- Market outperformance in India, China and APAC positive impact of price increases. Steadier raw materials supply in 2019 expected to further improve performance

# Stable global steel production with growing uncertainty

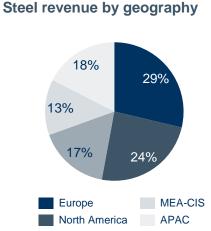


#### Steel market overview

- Global crude steel production +4.6% in 2018<sup>1</sup>
  - US +6.2%
  - China +6.6%
  - India +4.9%
  - EU -0.3%
- Continued focus amongst steel producers in improving competitiveness and producing higher quality steel products
- 2019 steel demand +0.9%

#### **RHI Magnesita position**

- 72% of Group revenue attributable to the Steel Division
- #1 refractory player in 4 of top 10 steel markets
- High geographic diversification
- High market share in mature markets of Europe & Americas
- Service and solution offering to drive customer refractory penetration
- Innovation to take advantage of increased demand for higher quality steel



South America

#### Steel production volumes (Mt)<sup>1</sup>



#### **RHI Magnesita Outlook**

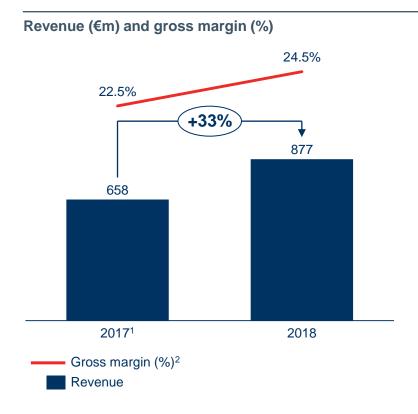
- **Europe:** 2019 growth to be weaker than 2018
- US: New customer green- & brownfield projects; positive impact of increased steel pour
- Asia: Positive benefits from the new Chizhou plant
- South America: Steel production increases expected
- MEA–CIS & mature APAC: increased risk to steel production; EAFs may specifically be impacted
- China: Benefitting from moves to higher quality

Political uncertainties currently impact customers' supply chain and inventory levels

#### Notes: 1) Source: World Steel Association

# Industrial Division – 2018 review





#### 2018 performance

#### **Cement / Lime**

- €321m revenue; driven by price increases and portfolio optimisation
- Successful step towards turnaround of business unit in 2018

#### **Project businesses**<sup>3</sup>

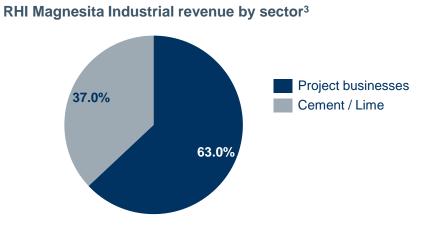
- Strong business unit performance with €556m revenue; ahead of the market
- Strong performance in glass and non-ferrous metals with significant margin improvements, driven by pricing and supported by new strategic measures
- Increase in revenue and profitability in EEC in spite of relatively flat market

# Continued GDP growth supporting Industrial Division demand



#### Industrial market overview

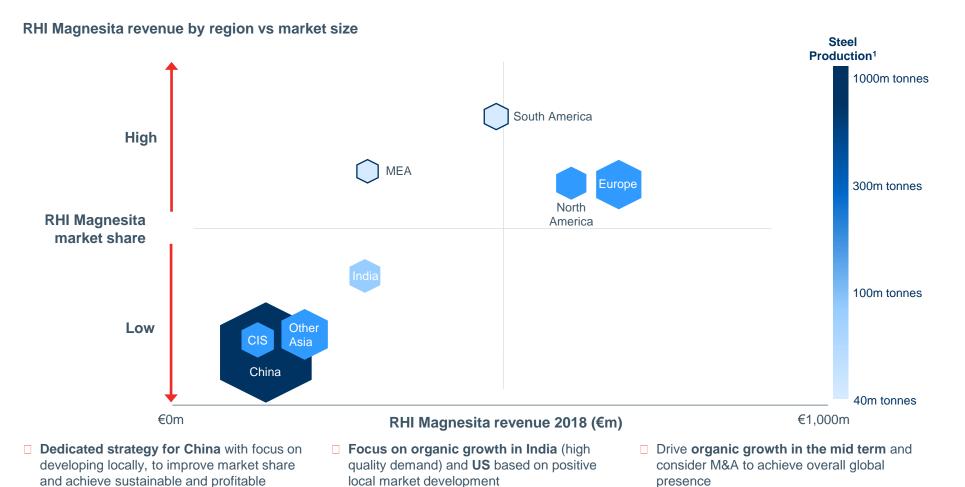
- 2018 global GDP growth +3.7%, projected to be +3.3% in 2019<sup>1</sup>
- Relative stability in cement & lime from a global perspective; demand expected to increase +1.5%<sup>2</sup>
- Glass demand stabilised, expected to continue
- LME-listed base metals were impacted by trade disputes, and first signs of a cooling global economy



#### **RHI Magnesita outlook**

- Cement / Lime: Positive current trend in 2019; further upside necessary. Evaluating exit from low-profit project business
- **Project businesses:** positive momentum expected to continue in 2019

# High market share in Europe and Americas with opportunities to occupy 'white spaces' in India, China and CIS



RHI MAGNESITA

Notes: 1) Source: World Steel Association

revenue growth

## India – world's 2<sup>nd</sup> largest steel market



### RHI Magnesita well-positioned to benefit from expanding refractory demand

- Indian business continued to grow ahead of steel market in 2018
- Reorganisation and simplification of local business and increase in capacity to meet demand requirements
  - better aligned with larger steel manufacturers
  - provides customers with one single refractory solutions platform
  - realises business synergies
- Demand for higher performance and better quality solutions increasing corresponds well to our solutions offering and competitive advantages
- RHI Magnesita underrepresented in industrial markets



#### Market dynamics

- India became the world's 2<sup>nd</sup> largest steel producer in 2018 – production +4.9% to 105.6Mt
- Steel demand expected to continue to be supported by infrastructure programmes in 2019 and onwards
- Second largest cement producer

#### Indian steel production (Mt)



# 'China for China' strategy

Locally focused to exploit significant growth market opportunities

- Implementation of new business plan and strong, locally focused management team ۲
- 2018 revenue +36% to €166m demonstrates growth and focus on this market
- New R&D team has developed specific, strategic and environmentally friendly products to fit the fast changing Chinese market
- Successful preparation of Chizhou dolomite mining and brick production for launch in 2019



#### **Market dynamics**

- 2018 steel production +6.6% to 928.3Mt
- Good opportunities in automotive industry despite challenging dynamics - increasing demand for SUVs, MPVs and electric vehicles
- Opportunities in shift to EAF steel plants
- World's largest cement producer
- Growing demand for high quality products, digitalisation and ecological solutions

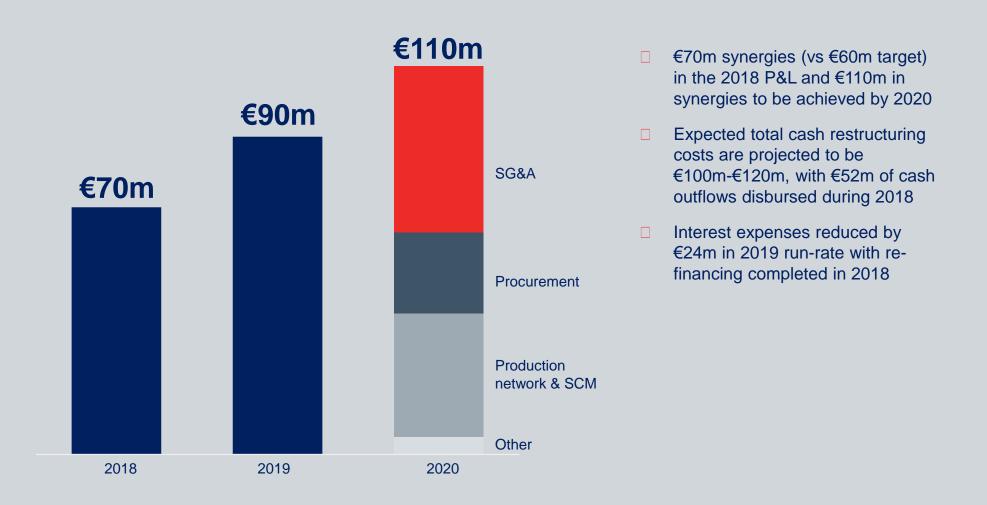
#### Chinese steel production (Mt)





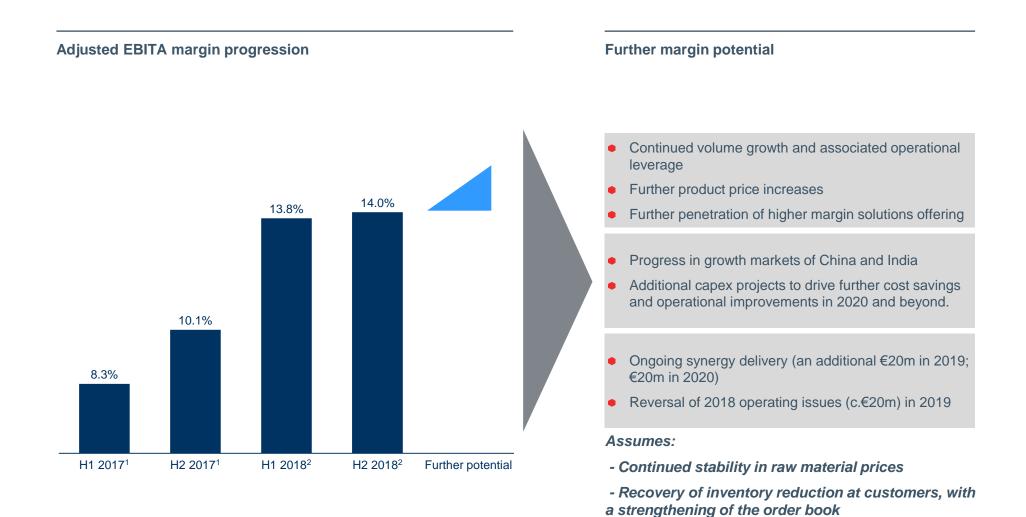


## Synergy target exceeded in 2018; €90m expected in 2019 №



# Continued EBITA margin potential







## Capital allocation strategy

Balanced and dynamic capital allocation enabling long term growth & shareholder returns

## Cash

Strong cash flow generation from operating business

Supported by synergies, growth opportunities & expansion

## Leverage

Maintain robust financial position

Commitment, through cycle, to leverage range of 0.5–1.5x

### Maintenance investment

€110m investment per year in maintenance capex

Ongoing R&D and Technical Marketing investment (2.2% of revenues)

## Organic investment

Commitment to capital deployment for growth and cost savings Significant opportunities to develop strategy organically Technology, digitalisation, data, backwards integration

### M&A

Disciplined screening process and risk evaluation

Deployment to accelerate growth in line with strategy

Balance sheet strength provides flexibility

## Returns

Progressive dividend policy established

Share buyback when appropriate

## Progressive dividend policy



A sustainable dividend policy linked to adjusted earnings and cash flow generation

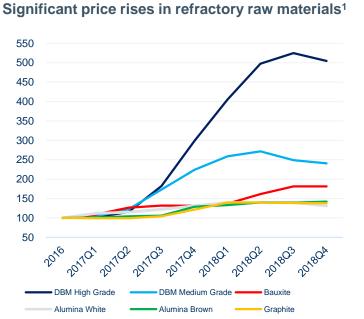
- Underpinned by strong performance and having reached leverage of 1.2x net debt to adj. EBITDA in 2018, the Board has recommended:
  - A final dividend of €1.50 per share for 2018
  - Represents a 100% increase on FY 2017 dividend
  - Dividend cover of 3.5x adjusted EPS
- Formal dividend policy commenced:
  - Progressive with reference to the growth in adjusted earnings and the cash flow generation of the Group
  - Semi-annual payment from 2019 onwards 1/3 prior year's full dividend paid at the interim
  - Targeting dividend cover of below 3.0x adjusted earnings over the medium term

# Summary and outlook



## Raw material outlook





#### Outlook

- As a result of potential further export taxes, more restrictive allocation of explosives, strict environment enforcement and the nationalisation or controlled consolidation of mining operations in China, the structurally altered raw materials pricing environment is expected to remain in 2019 and beyond
- Global scarcity and availability of raw materials as a result of Chinese restrictions to continue
- Persistent high Chinese raw material prices, cost increases for non-basic raw materials (Alumina, Bauxite, Graphite) and additional environmental cost require pricing measures

#### **Our position**

- Highest level of backward integration in the industry
- Unique internal mineral sources: 70% self-sufficiency in magnesite and dolomite and 50% for all raw materials



# Summary and outlook

## Setting the business on the right path to achieve its full potential

### 2018: a year of progress and success

- Strong performance in first full year post merger
- Outperformance of synergy targets
- Delivered growth ahead of underlying markets alongside step up in profitability
- Refinancing and ITO complete
- Strong and fast deleveraging has created a platform for future growth and capital allocation
- Progressive dividend policy established
- Created an experienced, determined, collaborative management team

### 2019: whilst global economic uncertainties exist, we currently anticipate:

- Robust customer end markets in the medium term, with higher uncertainty in the short term
- Continued raw materials pricing stability into H2 2019
- Modest organic revenue growth; depending on reversal of customer inventory reductions
- Further margin improvement potential
  - Ongoing synergy extraction
  - Further optimisation initiatives from manufacturing improvements
- Strong cash flow generation

# Appendix



## **Clear and compelling investment case**





Clear strategy and strong competitive position

- Strong market position with 15% global market share (30% ex-China), clear leadership in Americas, Europe and Middle East with broadest value-added solution offering
- Opportunity to develop and leverage technology across regions and portfolio
- Highest level of vertical integration in the industry with unique mineral sources and 50%+ self-sufficiency in all raw materials



Significant growth opportunity from new markets, service offering and M&A



Continued margin opportunity from ongoing synergies and further cost savings



Strong cash conversion and robust balance sheet

- Opportunities to grow materially in under-represented markets such as India and China
- Greater penetration of solutions offering to customers improving margins & providing added value to clients
- Acceleration of market growth through M&A
- €70m synergies in 2018 and €110m target by 2020
- Additional "below the line" opportunities in working capital and tax
- Cost saving potential beyond synergies from further initiatives in the mid term
- Strong cash flow from operating business supported by synergies and organic growth opportunities
- Rapid delevering since merger and net debt to EBITDA to 1.2x
- Capital flexibility to pursue both growth and shareholder returns

### Impact of foreign currency movements



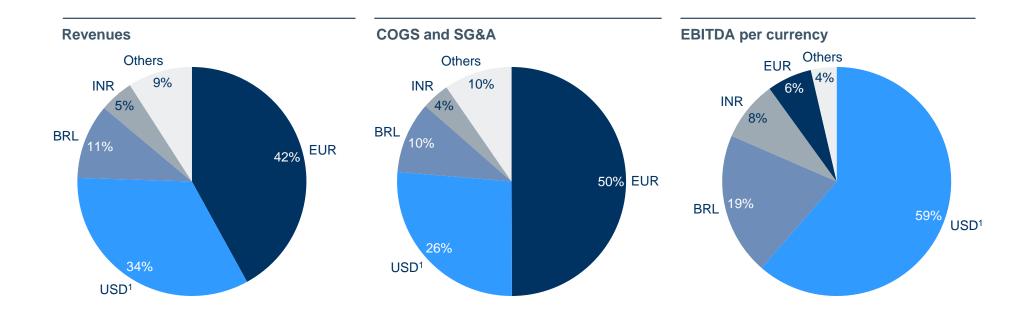
### **EBITDA** sensitivity

### 2018 exchange rates

vs €	Unit	∆ <b>in EBITDA</b> (€m)	1 € =	Closing rate	Average rate
USD	+1 cent	4.61	USD	1.15	1.18
CNY	+0.01 yuan	-0.20	CNY	7.87	7.81
BRL	+0.10 reais	2.72	BRL	4.45	4.31
INR	+1 rupee	0.64	INR	80.0	80.7

### Combined selected financials per currency





### **P&L** reconciliation



### 2017 pro-forma figures

	а	b	С	= a+b+c	d	е	= e/d-1
	2017 Adjusted pro- forma	Purchase Price Allocation adjustment	P&L Reclassifications	2017 Adjusted pro- forma	2017 Constant currency pro- forma	2018	Δ
Revenue	2,677.2		4.0	2,681.2	2,549.6	3,081.4	21%
COGS	(1,999.3)	(49.5)	(31.4)	(2,080.3)	(1,989.1)	(2,344.5)	18%
Gross profit	677.9	(49.5)	(27.4)	600.9	560.5	736.9	31%
SG&A	(399.8)	2.7	27.4	(369.6)	(350.4)	(337.3)	(4%)
Other income/expenses	(0.0)	14.2	(0.1)	14.1	14.2	(0.9)	(106%)
EBIT	278.1	(32.6)	(0.0)	245.5	224.2	398.6	78%
Amortisation	26.0	3.1	(0.8)	28.3	25.9	28.6	11%
EBITA	304.1	(29.6)	(0.8)	273.7	250.1	427.2	71%
Depreciation	84.7	41.1		125.8	115.1	124.8	8%
EBITDA	388.8	11.5		400.3	365.3	552.1	51%
Adjusted EBIT	278.1	(46.8)	0.0	231.3	210.1	399.5	90%
Adjusted EBIT (%)	10.4%			8.6%	8.2%	13.0%	480bps
Adjusted EBITA	304.1	(43.8)	(0.7)	259.6	235.9	428.1	81%
Adjusted EBITA(%)	11.4%			9.7%	9.3%	13.9%	460bps
Adjusted EBITDA	388.8	(2.7)	0.1	386.2	351.1	553.0	58%
Adjusted EBITDA (%)	14.5%			14.4%	13.8%	17.9%	410 bps

P&L	reconci	liat	tion

### 2017 reported figures

	а	b	C	= a+b+c
	2017 Reported	Purchase Price Allocation adjustment	P&L reclassifications	2017 Adjusted
Revenue	1,946.1		4.0	1,950.1
COGS	(1,485.6)	(30.5)	(27.3)	(1,543.4)
Gross profit	460.5	(30.5)	(23.3)	406.7
SG&A	(292.5)	0.5	47.7	(244.3)
Other income/expenses	(124.9)	1.6	26.4	(96.9)
EBIT	43.1	(28.4)	50.8	65.5
Amortisation	13.6		(0.2)	13.4
EBITA	56.7	(28.4)	50.6	78.9
Depreciation	59.9	6.3		66.2
EBITDA	116.6	(22.1)	50.6	145.1
Adjusted EBIT	168.0	(30.0)	24.4	162.4
Adjusted EBIT (%)	8.6%			8.3%
Adjusted EBITA	181.6	(30.0)	24.2	175.8
Adjusted EBITA(%)	9.3%			9.0%
Adjusted EBITDA	241.5	(23.7)	24.2	242.0
Adjusted EBITDA (%)	12.4%			12.4%





### Net financial expenses

### Detailed overview

(€m)	2018	Recurring	Non-recurring
Interest income	9.7	9.7	_
Interest expense	(48.5)	(48.5)	-
Foreign exchange	(81.3)	(19.6)	(61.7)
Other financial expenses	(42.6)	(27.6)	(15.0)
Total	(162.7)	(86.1)	(76.6)

#### Net interest expenses

• Post refinancing, net interest expenses will be c.€30m on a prospective annualised basis

### Foreign exchange

- Significant appreciation of the USD against the Argentine Peso (ARS) led to €25.0m of non-cash variances from the market to market of intercompany loans
- €37.2m in mark-to-market variances on foreign currency debt owed by Magnesita, a Brazilian Real reporting entity, which have been refinanced during 2018
- €6.3m FX gain on cash held in foreign currencies held by Magnesita's Brazilian entities
- As a result of the Group's hedging policy, which aims to match the currency exposure of our net debt to that of the EBITDA, the group has incurred €19.6m in derivative losses in 2018, of which €20.1m were settled in cash in 2018

### **Other financial expenses**

- Transaction costs: €10.6m, one-off non-cash expenses related to the refinancing of legacy debt
- EU remedies: €9.9m related to non-cash present value adjustment of the provision for the unfavorable contract required to satisfy the EU remedies
- Pension: expenses of €9.1m

### Impact of IFRS 16



		After application of IFRS16 (€m)	Net impact (€m)
	Depreciation	12.7	12.7
	Other expenses	-13.3	-13.3
Profit and loss statement	EBIT	-0.6	-0.6
	Interest expenses on borrowings	0.6	0.6
	Profit before tax	0.0	0.0
	Cash flow from operations	13.3	13.3
Cash flow	Net cash flow from financing activities	-13.3	-13.3
	Net cash flow	0.0	0.0
Balance sheet (at 1 Jan 19)	Right of use assets	67.2	67.2
	Lease liabilities	-67.2	-67.2
	Equity adjustment	0.0	0.0

• No net impact on profit before tax or net cash flow

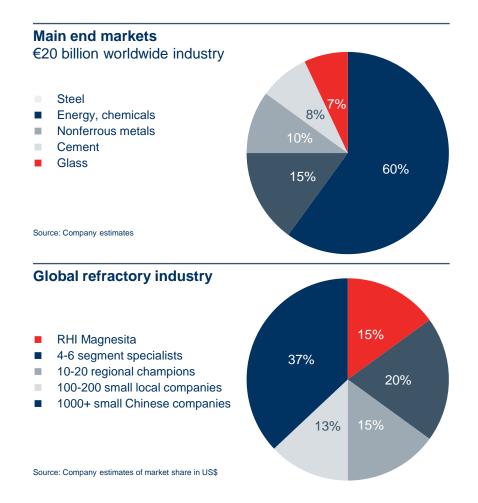
## Company background



# Refractories are critical to all high-temperature industrial processes



- Refractories are critical consumable or investment goods for high-temperature manufacturing processes
- Fireproof materials consumed whilst protecting clients' production processes, retaining physical and chemical characteristics when exposed to extreme conditions
- Critical, yet represent less than 3% of COGS in steel manufacturing and less than 1% in other applications

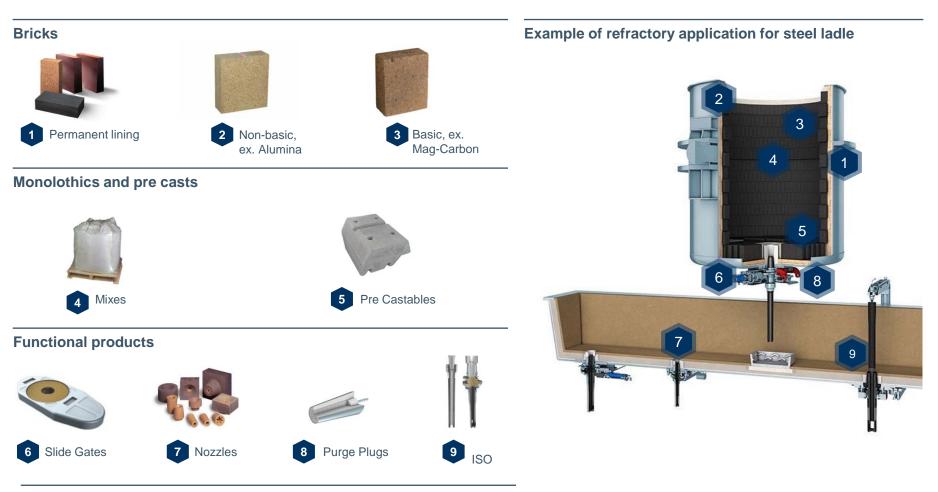


# Refractories are continuously consumed during finished goods production



Key industries	Applications		Replacement	% of clients' costs	Refractory characteristics
Steel	Basic oxygen-, electric arc furnace casting ladles		20 minutes to 2 months	~3.0%	Consumable product Systems and solutions for complete refractory management
Cement/Lime	Rotary Kiln		Annually	~0.5%	Demand correlated to output
		0			Investment goods
Nonferrous metals	Copper-converter		1 – 10 years	~0.2%	Longer replacement cycles Customized solutions based on the specific requirements of various industrial production processes
Glass	Glass furnace		Up to 10 years	~1.0%	Complete lining concepts including refractory engineering Wide areas of application
Energy/ Environmental/ Chemicals	Secondary reformer		5 – 10 years	~1.5%	Mostly project driven demand cycles Ongoing demand for repairs

# A complex range of tailored refractory products are required for each application



+Systems and machinery



### Serving all blue chip clients in every industry





Notes: 1) ex-China



## The industry's largest dedicated research team, pushing the boundaries of what is possible

We drive innovation in every aspect of our business, from materials, robotics and Big Data, to bespoke new business models and efficient new processes, under extreme conditions

#### Refractories

- Development and optimization of refractory products and manufacturing processes
- Market driven project portfolio
- Plant technical support and quality control

#### **Mineral**

- Increase ore recovery, maximize mine useful life and minimize environmental impacts
- Development of high quality, low cost raw material sources

#### **Basic research**

- Basic research ensuring technology leadership
- Strong focus on innovation

### Recycling as an opportunity

 Green technology applied to reprocessing, sorting and reutilization of recycled raw material Global research team of 250+ employees, of which 98 have masters and PHDs, working out of 2 research hubs and 3 centers



Investing €33m p.a. into technology-based solutions

## On-site technical experts consult, develop and deliver innovative solutions directly to clients



**340+ technical engineers across 90 countries**, working on-site with clients to provide custommade solutions, installation support, recycling, post-mortem analysis and more.

### A combination of...



High quality raw materials



Continuous investments in R&D



World-class products



On-site technical consulting

### ...ensures customers

- □ Improve efficiency
- □ Improve quality
- Increase productivity
- Reduce costs
- Reduce working capital
- Reduce energy and other raw materials consumption
- □ Reduce environmental footprint



## Unrivalled competitive advantage through vertical integration, in multiple sites





Main raw material sites

Certainty of supply

High quality materials

1.6 million

materials produced

tonnes of raw

per year

50% for all raw materials

vertical integration in

dolomite and magnesite and

**Cost competitiveness** 

70%