

# 2020, A YEAR OF STRONG EXECUTION IN A CHALLENGING GLOBAL CONTEXT



## SOLID PERFORMANCE IN 2020 AND VOLUME RECOVERY IN Q4

Sales

**€7.9bn**Volume (4.3)% YoY

**EBITDA** 

**€1.18bn** 15% margin

Q4'20

Volume +5.2% YoY

**EBITDA** 

broadly stable

YoY

Adjusted net income

€391m

5.11 **€**/share

**FCF** 

€651m

67% cash conversion <sup>1</sup>

**Net debt** 

€1.91bn

1.6x EBITDA

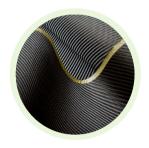




1. Free cash flow excluding exceptional capex divided by EBITDA



## WE MANAGED THE SHORT TERM AND EXECUTED THE STRATEGY



Resilience of our Specialty Materials



Promising pipeline of innovation on megatrends



Major steps on the transformation journey



High return investments to capture future growth



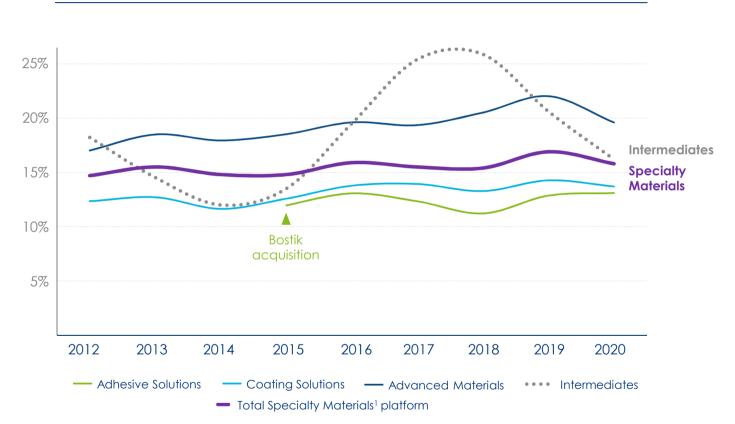
Commitment to sustainability and improved CSR ratings



Focus on operational and commercial excellence

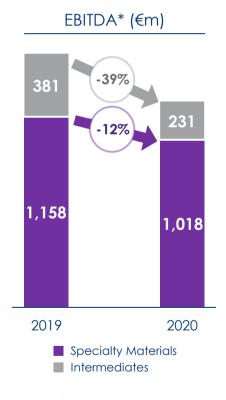
## SPECIALTY MATERIALS WERE RESILIENT IN THE CONTEXT

## Segments' EBITDA margin evolution (%)



#### 1. Specialty Materials include the three following segments: Adhesive Solutions, Advanced Materials and Coating Solutions

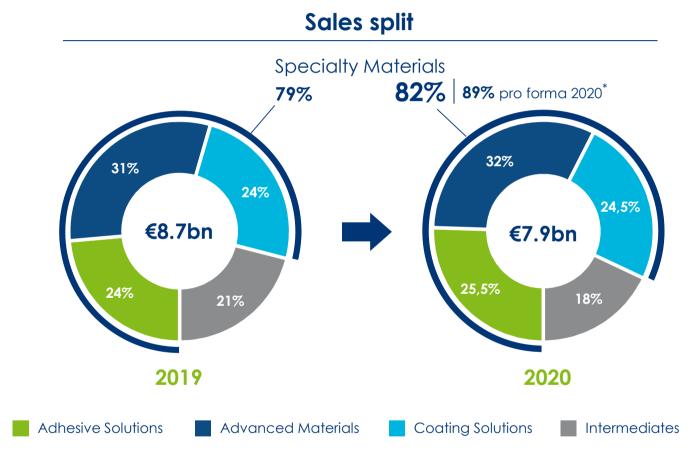
## Resilient Specialty Materials EBITDA



<sup>\*</sup> excluding Corporate



## MAJOR NEW STEPS TAKEN ON TRANSFORMATION JOURNEY



A major milestone

PMMA disposal to Trinseo <sup>1</sup> EV: €1,137m

#### Other M&A operations

Functional Polyolefins disposal to SK Chemical EV: €335m

LIP, Fixatti & Ideal Work acquisitions in Adhesive Solutions

**CPS** acquisition in Coating Solutions

1. The proposed disposal is subject to the approval of the relevant antitrust authorities and to an information and consultation process involving Arkema's employee representative bodies.

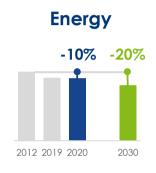
<sup>\*</sup> On a pro forma basis, including full year contribution of all M&A operations announced in 2020

## COMMITMENT TO SUSTAINABILITY REINFORCED

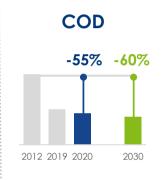
# GHG -23% -38%

2015 2019 2020

#### **CLIMATE AND ENVIRONMENT 1**



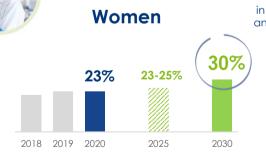




# Wome

2030

#### **NEW 2030 OBJECTIVES FOR DIVERSITY**





1. Absolute target vs 2015 for GHG (greenhouse gases), EFPI vs 2012 for Energy, VOC (volatile organic compounds) and COD (chemical oxygen demand)

#### **CIRCULAR ECONOMY**



PRAGATI
Phase II of the
world's 1st sustainable
castor bean program



#### 1<sup>ST</sup> EVER GREEN BOND

€300m dedicated to new plant in Singapore for 100% bio-based PA 11



#### **ZEBRA PROJECT**

First 100% recyclable wind turbine blades



## STRONG IMPROVEMENT IN CSR RECOGNITION

2015 2019 2020 (SAM The Sustainability Yearbook 2021 65 **BRONZE AWARD** Now a Part of S&P Global Member of 6th in DJSI World Dow Jones Based Sustainability Indices on SAM First integration in 2020 Powered by the S&P Global CSA ВВ MSCI ( CDP (Climate) C В 2019 ecovadis csk kating **Top 1%** ecovadis

Other ratings









## INVESTMENTS TO CAPTURE SUSTAINABLE GROWTH CARRIED ON



**€600m** recurring and exceptional CAPEX in 2020

2 major high return projects driven by sustainability broke ground in 2020 CAPEX > €500m by 2024 bio-sourced PA11 energy efficient HF supply

## STRONG ENGAGEMENT OF OUR TEAMS



## Quick implementation of safeguard measures in the Covid environment

To ensure safety of our employees

To enable continuity of operations and support our customers and stakeholders

To adjust by more than €100m our operational expenses versus initial budget

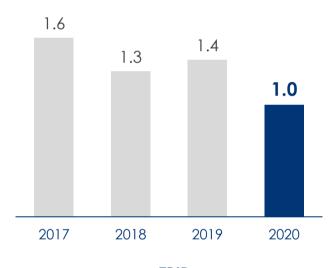
# Responsible and supportive measures undertaken

Decided not to use the French government's assistance measures or furlough schemes

Hand sanitizer to hospitals free of charge

Donations from executive committee and managers

#### **RECORD LOW INJURY RATE**



**TRIR**Number of accidents per million hours worked



## DYNAMIC CASH ALLOCATION IN LINE WITH CMD GUIDELINES

#### Dividend proposal back at pre-Covid level

**€2.50** per share <sup>1</sup>

In line with Group's ambition to progressively increase shareholder return Confidence in the development perspectives of the Group

#### Share buybacks starting in 2021

€300m program starting right after the closing of PMMA disposal

In line with Group's capital allocation policy presented at CMD

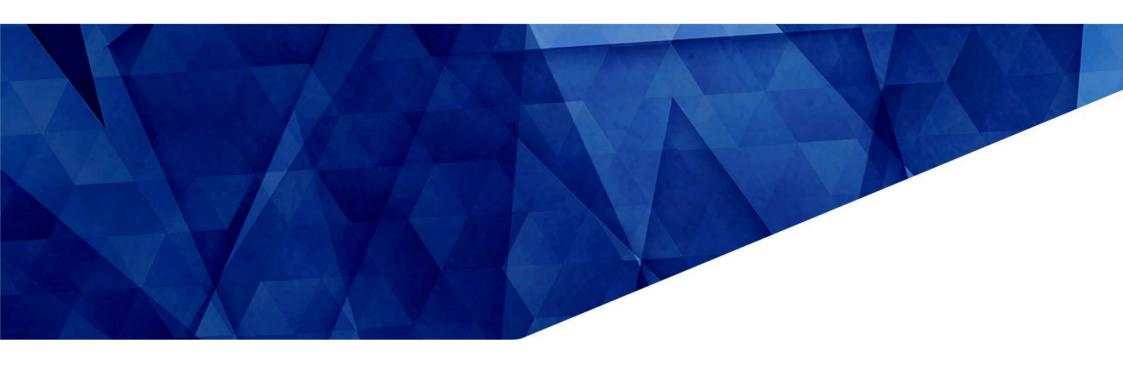
These provisions include the restitution to shareholders of the €0.50 per share portion of the dividend which had been retained in 2020 in the context of the pandemic

## **DIVIDEND** (in €/share) per financial year <sup>2</sup>



<sup>1.</sup> Dividend proposed at the shareholders' annual general meeting of 20 May 2021

<sup>2.</sup> The dividend of each financial year is paid the following year



# FY 2020 RESULTS



## **KEY TAKEAWAYS**

€7,884m sales —

- Sales decrease of 8.1% vs FY'19 at constant currency
- Back to growth in Q4'20:
  - Sales growth of 2.1% at constant scope and currency
  - Significant volumes improvement (+5.2% YoY) with continued positive momentum in construction, decorative paints and batteries, as well as recovery in several industrial markets

€1,182m EBITDA

15.0% EBITDA margin

- Good resilience of Specialty Materials
- Rebound in the fourth quarter:
  - EBITDA broadly stable, reaching €289m (€295m in Q4'19)
  - Strong growth in EBITDA of Adhesive Solutions (+15%) and Coating Solutions (+19%)

€391m adj. net income

• €5.11 adjusted EPS

€651m free cash flow

- High level, reflecting the excellent management of working capital (11.8% of sales at end 2020) and strict control of capex (-€100m vs initial budget)
- 67% cash conversion <sup>1</sup>

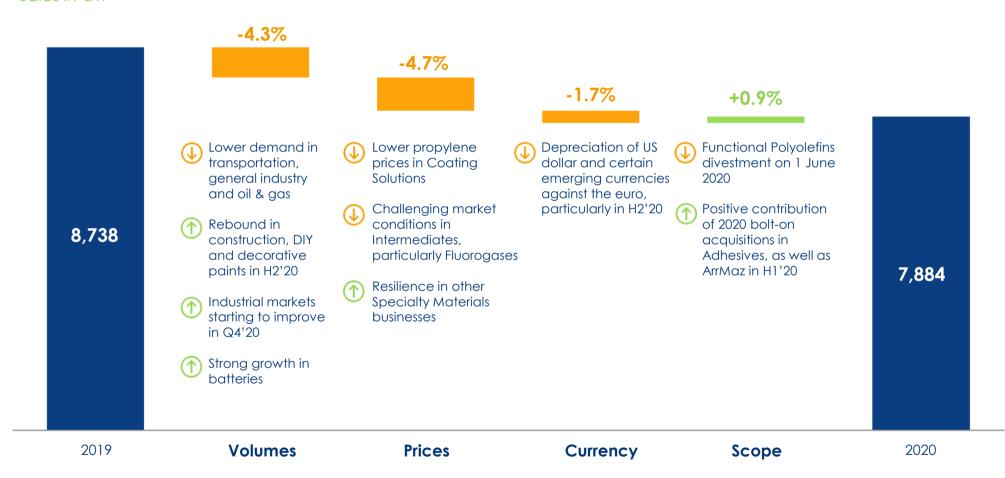
€1,910m Net debt (incl. hybrid bonds)

1.6x EBITDA 2020

1. Free cash flow excluding €140m exceptional capex divided by EBITDA

## STANDING OUR GROUND IN AN EXCEPTIONAL YEAR

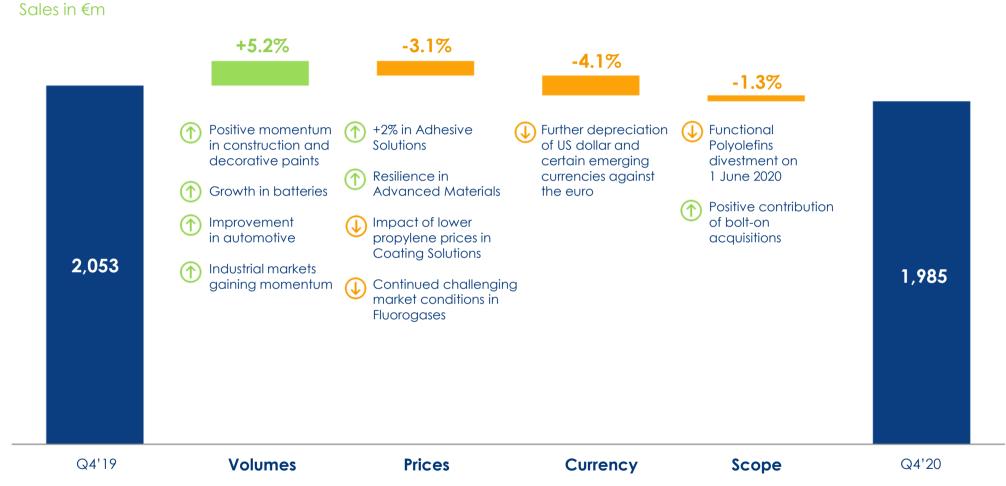
#### Sales in €m





## **VOLUME GROWTH RETURNED IN Q4 2020**

#### Carlas in Cas





## ADHESIVE SOLUTIONS (25.5% OF 2020 GROUP SALES)



Q4'20 KEY FIGURES			
In €m	Q4'19	Q4'20	Change
Sales	500	512	+2.4%
EBITDA	60	69	+15.0%
EBITDA margin	12.0%	13.5%	
REBIT	45	52	+15.6%

Q4'20 SALES DI	EVELOPMENT
Volumes	+0.7%
Prices	+2.0%
Currency	(4.6)%
Scope	+4.3%

2020 KEY FIGURES			
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In €m	2019	2020	Change
Sales	2,055	1,996	(2.9)%
EBITDA	264	261	(1.1)%
EBITDA margin	12.9%	13.1%	
REBIT	205	198	(3.4)%

Volumes	(4.1%)
Prices	+0.5%
Currency	(2.4)%
Scope	+3.1%

2020 SALES DEVELOPMENT

- Strong performance in Q4'20 with EBITDA up 15% YoY, and EBITDA margin up 150 bps at 13.5%, a record high for a 4<sup>th</sup> quarter
- +2.7% YoY organic growth in Q4'20
  - positive momentum in construction in the continuity of the 3<sup>rd</sup> quarter
  - volume improvement in engineering adhesives
  - Robust performance in 2020, reaching same level as 2019, reflecting unique stability of the segment in challenging conditions, with EBITDA margin at 13.1%



## ADVANCED MATERIALS (32% OF 2020 GROUP SALES)



Q4'20 KEY FIGURES			
In €m	Q4'19	Q4'20	Change
Sales	663	644	(2.9)%
EBITDA	132	123	(6.8)%
EBITDA margin	19.9%	19.1%	
REBIT	69	57	(17.4)%

Q4'20 SALES DEVELOPMENT		
Volumes	+1.1%	
Prices	(0.3)%	
Currency	(3.7)%	
Scope	-	

2020 KEY FIGURES			
In €m	2019	2020	Change
Sales	2,693	2,527	(6.2)%
EBITDA	584	496	(15.1)%
EBITDA margin	21.7%	19.6%	
REBIT	353	245	(30.6)%

2020 SALES DEVELOPMENT		
Volumes	(8.3)%	
Prices	(0.8)%	
Currency	(1.5)%	
Scope	+4.4%	

- Q4'20 performance impacted mainly by negative currency effect
- Organic growth improving significantly in Q4'20 at +0.8% YoY (-11.8% YoY in Q3'20)
  - continued positive momentum in batteries
  - driven by innovation in sustainable growth platforms (mobility, electronics, lightweight materials)
- Resilient prices in 2020, despite lower volumes
  - FY'20 EBITDA margin remaining high at 19.6%, cost savings and lower raw materials mitigating lower volumes

## COATING SOLUTIONS (24.5% OF 2020 GROUP SALES)



Q4'20 KEY FIGURES			
ln €m	Q4'19	Q4'20	Change
Sales	477	489	+2.5%
EBITDA	58	69	+19.0%
EBITDA margin	12.2%	14.1%	
REBIT	28	39	+39.3%

Q4'20 SALES DEVELOPMENT		
Volumes	+14.5%	
Prices	(8.4)%	
Currency	(4.9)%	
Scope	+1.3%	

2020 KEY FIGURES			
In €m	2019	2020	Change
Sales	2,148	1,911	(11.0)%
EBITDA	310	261	(15.8)%
EBITDA margin	14.4%	13.7%	
REBIT	197	142	(27.9)%

2020 SALES DEVELOPMENT		
Volumes	(1.2)%	
Prices	(9.4)%	
Currency	(1.7)%	
Scope	+1.3%	

- Significant YoY volume increase
  in Q4'20 (+14.5%), driven by the good
  momentum in decorative paints, industrial
  coatings, 3D printing and graphic arts
- Strong EBITDA increase in Q4'20 (+19% YoY) and EBITDA margin reaching 14.1% (+190 bps YoY)
- Prices negatively impacted in 2020 by the propylene price decrease
  - FY'20 EBITDA decreasing 15.8% YoY, strongly impacted by non integrated acrylic activities, and EBITDA margin resisting well at 13.7%

## INTERMEDIATES (18% OF 2020 GROUP SALES)



Q4'20 KEY FIGURES					
In €m	Q4'19	Q4'20	Change		
Sales	408	334	(18.1)%		
EBITDA	59	42	(28.8)%		
EBITDA margin	14.5%	12.6%			
REBIT	26	12	(53.8)%		

Q4'20 SALES DEVELOPMENT			
Volumes	+6.3%		
Prices	(7.7)%		
Currency	(3.4)%		
Scope	(13.3)%		

2020 KEY FIGURES				
In €m	2019	2020	Change	
Sales	1,816	1,425	(21.5)%	
EBITDA	381	231	(39.4)%	
EBITDA margin	21.0%	16.2%		
REBIT	261	109	(58.2)%	

2020 SALLS DEVELOT MENT		
Volumes	(2.3)%	
Prices	(10.8)%	
Currency	(1.3)%	
Scope	(7.1)%	

2020 SALES DEVELOPMENT

- Significant scope effect in Q4'20 sales
   (-13.3% YoY) linked to Functional Polyolefins disposal
- Volume increase in Q4'20 (+6.3% YoY)
   driven by strong growth in Asia Acrylics
   as well as good dynamic in PMMA, and negative
   price effect (-7.7%) mainly in Fluorogases
- **EBITDA** at **€42m**, impacted mainly by Fluorogases
  - Sharp decrease of EBITDA in 2020 impacted by difficult market conditions particularly in Fluorogases, and EBITDA margin decreasing at 16.2%

## **EXCELLENT CASH GENERATION**

#### **RECONCILIATION OF EBITDA TO NET CASH FLOW**

In €m	2019	2020
EBITDA	1,457	1,182
Current taxes	(142)	(121)
Cost of debt	(98)	(75)
Change in working capital and fixed assets payables 1	90	212
Recurring capital expenditure	(511)	(460)
Others (including non-recurring items)	(33)	53
Free cash flow excluding exceptional capex	763	791
EBITDA to cash conversion rate <sup>2</sup>	<b>52</b> %	67%
Exceptional capital expenditure	(96)	(140)
FREE CASH FLOW	667	651
Impact of portfolio management	(729)	6
NET CASH FLOW	(62)	657

#### 1. Excluding non-recurring items and impact of portfolio management

#### **EBITDA** to cash conversion rate

Record high at 67%

#### Tax rate

22% of REBIT (excl. exceptional items)

#### Tight management of working capital

11.8% of sales at end December

#### Non-recurring items

include tax savings linked to the use of tax losses for an amount of €55m in Q2'20

#### **Recurring capex**

**5.8% of sales**, in line with Group's 5.5% guidance

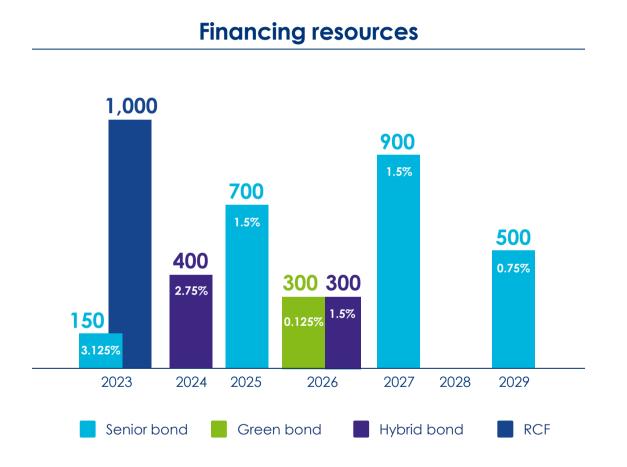
#### M&A

Bolt-on acquisitions outflow offset by Functional Polyolefins disposal inflow



<sup>2.</sup> Free cash flow excluding exceptional capex divided by EBITDA

## FINANCIAL STRENGTH FULLY MAINTAINED



Net debt under control

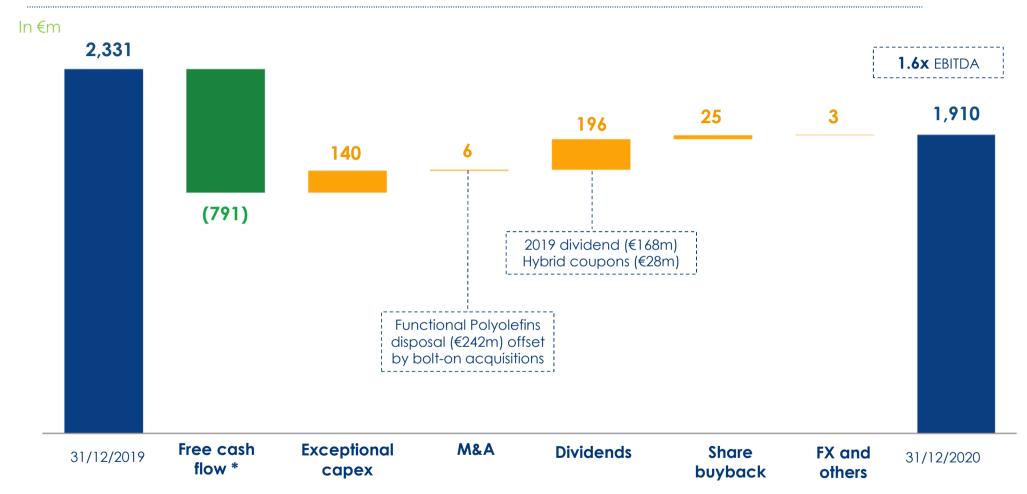
**1.6x EBITDA** including hybrid bonds

Successful refinancing at attractive rates

Average maturity of 5.6 years

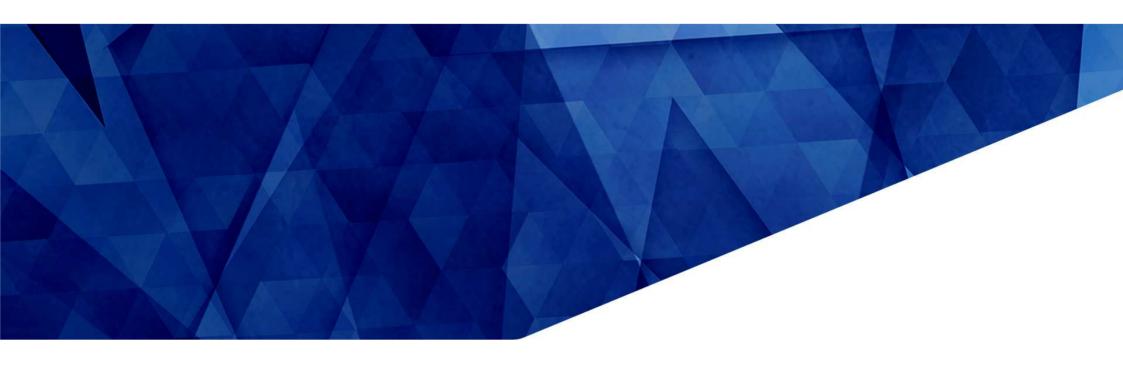
Solid investment grade rating maintained BBB+ stable outlook (S&P) Baa1 stable outlook (Moody's)

## NET DEBT EVOLUTION (INCLUDING HYBRID BONDS)



<sup>\*</sup> Excluding exceptional capex





# EXECUTION OF OUR SUSTAINABLE STRATEGY AS A KEY PRIORITY



## A UNIQUE COMBINATION OF EXPERTISE IN SUSTAINABLE MATERIALS

## A SPECIALTY MATERIALS LEADER

offering the most innovative and sustainable solutions to address our customers' current and future challenges

**IN 2021** 

Mid to high single digit organic sales growth expected in Specialty Materials





## SUSTAINABLE INNOVATION DRIVING ORGANIC GROWTH



#### **5 R&D PLATFORMS**

#### **NEW**



Natural resources management

BIO-SOURCED OR RECYCLABLE SOLUTIONS CIRCULAR ECONOMY WATER MANAGEMENT



Lightweight materials



**Electronic** solutions



**New energies** 



Home efficiency & insulation

#### **SALES CONTRIBUTION**

Thanks to our sustainable innovations, we expect to generate

€400m new sales by 2024 and €1bn by 2030

#### **PORTFOLIO SUSTAINABILITY ASSESSMENT**

## **NEW Target**

**65%** of our sales **contributing significantly** to the UN Sustainability Development Goals **by 2030** 

Currently at 50% on 72% of sales assessed

#### **NEW COMMITTEE AT BOARD LEVEL**

Creation of a new Innovation & Sustainable Growth committee



## 2021 GROWTH PRIORITIES IN ADHESIVE SOLUTIONS

#### High value offering through launch of new product ranges and technology differentiation

#### Construction

**DIY**New products



Purefix

## Wall & flooring "One floor"



**Sealants**New PU range



#### Industrial adhesives

**Engineering** adhesives



Born2Bond™

#### Hygiene



Brilliance™

#### Films & powders



Prochimir, Fixatti

#### Benefit from recent acquisitions



- LIP, Danish leader in tile adhesives, waterproofing systems & floor preparation
- **Fixatti**, producer of high-performance thermobonding adhesive powders
- Ideal Work, specialized in high-added value decorative flooring technologies

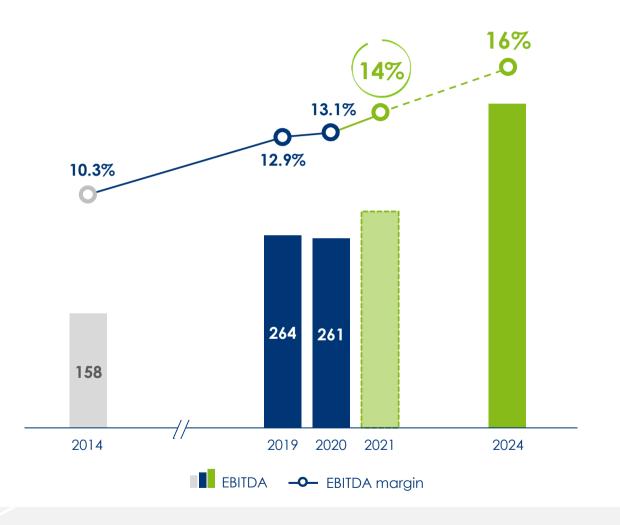
#### Deliver growth through new capacities



- World-scale **industrial adhesives** plant in Nara (Japan)
- New **MS sealant** capacity expansion in Giessen (Netherlands)



## BOSTIK ON TRACK TO DELIVER ITS MID-TERM TARGET



Reach 14% EBITDA margin in 2021

## Three balanced drivers

Grow high margin solutions

Strengthen operational excellence

Roll out acquisition strategy and implement synergies

## 2021 GROWTH PRIORITIES IN ADVANCED MATERIALS

#### Develop new business through innovative and sustainable products



#### High growth in clean mobility

- ✓ Specialty polyamides for fuel lines & EV/HEV cooling circuits
- ✓ Kynar® PVDF in batteries
- ✓ Composites for highly pressurized hydrogen tanks & Rilsan® PA11 for liners



#### Disruptive innovation in the sports market

- ✓ Pebax® foam for light and high energy return sports shoes outsoles
- ✓ Fully recyclable sports shoes



#### Increased demand for bio-based products

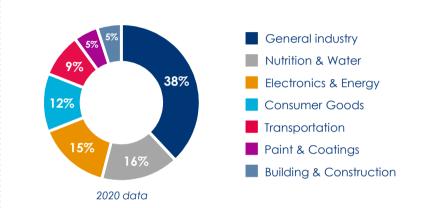
- ✓ Specialty polyamides for bio-based glasses and toys
- ✓ Carelflex® services and DMDS in biofuels
- ✓ Sensio® bio-based surfactants for detergents



#### Strong use of 3D printing technology in healthcare

✓ High performance polymers for orthotics, swabs, orthopedic soles...

#### Benefit from diversified end-markets recovery



#### Capitalize on new 2020 capacities and M&A

+50% PVDF battery grades capacity in China



+35% PVDF capacity in China by 2022

- +25% PA12 global capacity in China
- x2 capacity of methyl mercaptan in Malaysia
- Commercial **synergies** and growth linked to integration of **ArrMaz**



## VERY SIGNIFICANT POTENTIAL IN BATTERIES

#### Lithium-ion batteries market



Electric vehicles 30+% CAGR 2019-2024 <sup>1</sup>

#### Other applications



**Consumer** electronics



**eBikes** 

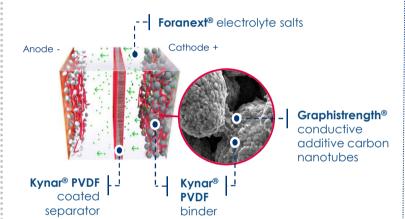


Energy Storage Systems

1. Market growth for battery electric vehicles - McKinsey center for Future of Mobility

#### Innovative solutions to optimize performance of Li-ion batteries

A leader in PVDF for Li-ion battery cells



**Battery pack** weight reduction and heat transfer



- ✓ Rilsan® PA11 for bus bar protection and cooling lines
- ✓ Elium® recyclable composite and Rilsan® PA11 for casing
- ✓ Bostik thermal conductive adhesives

#### Well positioned to capture growth

- New capacities in China
- Strong partnerships with major players CATL, ATL, Saft...

#### Continued Innovation

New Battery Lab in Pierre-Bénite, France for **next generations**  New electrolyte salts (EU Commission battery project)



### HIGH RETURN PA11 PLANT IN SINGAPORE TO SUPPORT GROWTH FROM 2022

#### Polyamide 11, a unique material

- 100% bio-based, from castor oil
- High performance (mechanical and heat resistance)









LIGHTWEIGHT

**RENEWABLE** 

RECYCLABLE

HIGHLY DURABLE

#### +50% capacity in Asia

- World scale PA11 plant in **Singapore** (including monomer) and downstream capacities in China
- Start-up expected in 2022
- €450m CAPEX and €100m EBITDA at maturity
- Successfull issuance of our first green bond for €300m

#### Diversified end-markets with high growth potential

**Sports** 



**3D Printing** 



**Clean Mobility** 



**Consumer Products** 



Consumer Electronics



**Bio-based textile** 





## 2021 GROWTH PRIORITIES IN COATING SOLUTIONS

#### Capture end-market growth



## Focus on innovation with low-VOC, bio-based products and high value-added resins

- ✓ Synagua® waterborne resins for paints
- ✓ Sarbio® monomer and oligomer range made from renewable raw materials for applications in a wide range of markets



#### Decorative paints and industrial coatings

✓ Enlarged product offering driven by sustainability



#### 3D printing

- ✓ Sartomer's N3xtDimension® custom UV-curable liquid resins
- ✓ Capitalize on recent bolt-ons



#### **Electronics & 5G**

 Sartomer specialty resins for high definition Printed Circuit Board, meeting the challenges of new 5G mobile technology

#### Further commercial excellence initiatives

- Global key account management improvements
- Optimizing sales function organization
- Increased customer focus and cross-selling

#### Ramp-up new capacities in fast growing regions



- +30% Sartomer photocure resins in China, started in April 2019
   (3D printing and electronics)
   Further expansion being considered
- Low-VOC powder coating resins plant in India, started in February 2019 (industrial and architectural coatings)
- 90 kt Clear Lake acrylic acid reactor in the US, started in October 2019 (paints, water treatment, adhesives...)



## STRENGTHENED INTEGRATION OF THE COATING SOLUTIONS SEGMENT

#### **GROWTH**

Activities organized for a globally coherent approach towards markets

#### Acrylic Coating Coating **Additives** Resins monomers **PERFORMANCE Additives** Support functions **Acrylic Acid** Resins organized for scale **UV Specialties** & efficiency Cross-BUs: Key account management, integrated global supply chain, HR, R&D, marketing & development

## STRATEGIC REVIEW OF INTERMEDIATES UNDERWAY

#### Closing of PMMA disposal

**Proposed disposal** of PMMA business to **Trinseo** ¹ for €1,137m



Closing expected mid-2021

Executed in a timely mannerValuing the activity at9.3x 2020e EBITDA

1. The proposed disposal is subject to the approval of the relevant antitrust authorities and to an information and consultation process involving Arkema's employee representative bodies

#### Review in progress in Fluorogases

**Focus** on specialty businesses



- High-value intermediates for fluoropolymers
- Fluorospecialties for electronics, insulation, batteries..
- Electrolyte salts for batteries (as part of EU commission battery project)

# **Investigate strategic alternatives** for emissive applications

- Next step of our strategic review in Intermediates after PMMA disposal
- Regulatory landscape recently clarified in the US on HFCs
- In 2021, define scope, business plan, carve-out and exploration of deconsolidation options

Assess the **best path and timing** to generate **value** taking into account **market conditions evolution** 



## WELL POSITIONED TO BENEFIT FROM A REBOUND IN 2021 AND BEYOND

- Start of the year marked by an increase in the level of global demand in the continuity of fourth-quarter 2020, in an uncertain environment. Q1'21 EBITDA expected to rise by around 10% YoY, including a negative currency impact of €15 million
- In **2021**, excluding a significant resumption of the pandemic:
  - ▶ EBITDA of Specialty Materials (82% of Group's sales in 2020) should grow by around 10% compared to 2020 at constant currency ¹
    - Bostik EBITDA margin should reach 14% in 2021, in line with its 2024 trajectory, thanks to the benefits of its positioning in the construction and high performance industrial adhesives, its operational excellence initiatives, as well as its acquisition strategy
    - Significant rebound in **Advanced Materials**, driven by innovation in batteries, electronics, lightweight materials, sporting goods and filtration, as well as by higher demand in certain industrial markets, animal nutrition and crop protection
    - **Coating Solutions** earnings supported by the growth momentum and sustainable innovation in the paints, electronics and 3D printing markets
  - Intermediates EBITDA in 2021 to be at a comparable level to 2020 at constant currency 1 and scope PMMA closing expected mid 2021
- On-going execution of the mid term strategy

1. With the assumption of a €/\$ rate of 1.2 for 2021, the impact on 2020 EBITDA is estimated at a negative €30 million for Specialty Materials and a negative €10 million for Intermediates



### DISCLAIMER

The information disclosed in this document may contain forward-looking statements with respect to the financial condition, results of operations, business and strategy of Arkema.

In the current context, where the Covid-19 epidemic continues to spread across the world, and the evolution of the situation as well as the magnitude of its impacts on the global economy are highly uncertain, the retained assumptions and forward looking statements could ultimately prove inaccurate. Such statements are based on management's current views and assumptions that could ultimately prove inaccurate and are subject to material risk factors such as among others, changes in raw material prices, currency fluctuations, implementation pace of cost-reduction projects, developments in the Covid-19 situation, and changes in general economic and business conditions. These risk factors are further developed in the 2019 Universal Registration Document.

Arkema does not assume any liability to update such forward-looking statements whether as a result of any new information or any unexpected event or otherwise.

Further information on factors which could affect Arkema's financial results is provided in the documents filed with the French Autorité des marchés financiers.

Financial information since 2005 is extracted from the consolidated financial statements of Arkema. Quarterly financial information is not audited.

The business segment information is presented in accordance with Arkema's internal reporting system used by the management.

The main performance indicators used by the Group are defined in the 2019 Universal Registration Document. As part of the analysis of its results or to define its objectives, the Group uses in particular the following indicators:

**EBITDA margin**: corresponds to EBITDA as a percentage of sales, EBITDA equaling recurring operating income (REBIT) plus recurring depreciation and amortization of tangible and intangible assets

**REBIT margin:** corresponds to the recurring operating income (REBIT) as a percentage of sales

Free cash flow: corresponds to cash flow from operations and investments excluding the impact of portfolio management

EBITDA to cash conversion rate: corresponds to the free cash flow excluding exceptional capital expenditure divided by EBITDA

