Market Report

Global Inorganic Filler Market

2nd Edition

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Abstract

Driven by heavy competition, manufacturing sectors are striving to reduce costs or to enhance performance through the use of filler. The global filler market sees moderate growth, benefiting from increasing demand in application areas. Fillers are gaining increasing importance particularly when they are supplied more as property modifier than as cost reducer.

The global consumption of inorganic fillers was estimated at US$17.85 billion in 2014, approximately 4.5% up from the previous year. It is expected to grow slightly faster in the next years to reach US$20.55 billion by 2017 and to increase to US$27.22 billion by 2023.

The filler market is very fragmented, but there is a trend towards consolidation and market penetration as global players acquire local producers to ensure their market share and profit margin.

Acmite Market Intelligence has updated the most comprehensive market report on global inorganic filler market. It is ready for order.

The market report examines the current products and application areas, provides extensive market data of 2014, and market forecast through 2017 to 2023. It also outlines the competition landscape, evaluates market chances and risks and anticipates future trends based on a series of influence factors.

- 207 pages analyzing the market
- 60 figure tables
- 265 manufacturers profiled

With a multi-dimensional and in-depth view of world inorganic filler market, this report is ideal help for you with decisions about international market penetration, business expansion or project feasibility analysis.

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Note:

Regions:
North America: US, Canada, Mexico (NAFTA region)
Asia Pacific: Countries of Asia, Australia, New Zealand
Asia Pacific*: Asia Pacific excluding Japan and China

4.6.1 Products, properties and uses

Aluminium trihydroxide (ATH) is also known as hydrated alumina, alumina hydrate, alumina trihydrate and trihydrated Alumina.
Its chemical formula is $Al(OH)_3$ or $Al_2O_33H_2O$

Aluminum hydroxide is the most consumable and applicable inorganic flame retardant. ATH is more often taken as a flame retardant filler than as an flame retardant additive in the sense that it is often less expensive than the filled material it displaces (at least on a weight basis), and by comparison with reactive flame retardants it needs to be used at high loadings.

Filler grade production of aluminum hydroxide is a separate from the production of the metallurgical grade and yields a pure aluminium trihydroxide, while the metallurgical grade of aluminum trihydroxide is produced in the first stage.

Properties

Aluminum trihydroxide has two important properties which made it a very popular filler

- flame retarding abilities, ATH acts by endothermic dehydration, simultaneously absorbing heat energy: maximum processing temperature is about 200°C. On heating to 200°C, hydrated alumina decomposes into 66% alumina and 34% water.
- its low absorption of UV

Other major properties include:

- smoke suppression
- chemical stability

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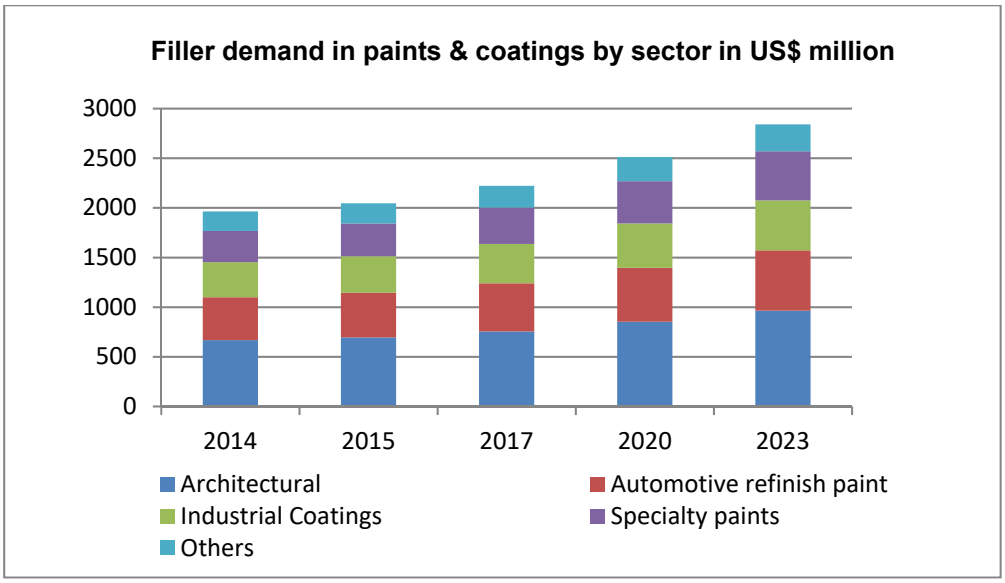
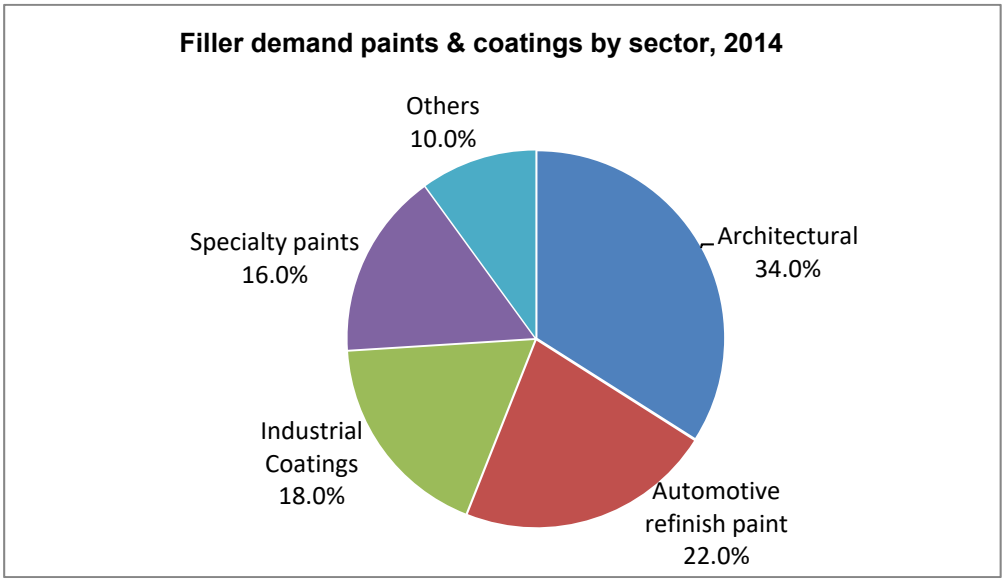
5.3.2.1 Filler demand in paints & coatings by sector

Filler demand in paints & coatings by sector in US$ million

	2014	2015	2017	2020	2023	AAGR
Architectural	668	696	755	854	965	4.2%
Automotive refinish paint	432	449	484	543	608	3.9%
Industrial Coatings	353	368	397	447	502	4.0%
Specialty paints	314	330	366	425	495	5.2%
Others	196	204	219	244	272	3.7%
Total	1964	2046	2221	2512	2841	4.2%





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Albemarle Corporation (USA)

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http://www.albemarle.com

Year of foundation: 1994
Number of employees: 3,625
Revenue 2014: US$ 2,445.5 million

Company profile

Albemarle is a leading global producer of specialty chemicals for consumer electronics, pharmaceuticals, agricultural, automotive and industrial products, and construction and packaging materials. The company has developed industry-leading positions in a number of end markets, including bromine and mineral-based flame retardants, aluminium alkyl catalysts and metallocene co-catalysts for polyolefins, bromine and bulk ibuprofen.

The company operates four business units: Polymer additives, Catalysts, Fine chemicals, and other industry specialties

The company's Polymer Additives business supplies flame retardants, curing agents, antioxidants and stabilizers.

Its Other Industry Specialties business supplies

- Paper sizes & fillers, which offers a variety of chemical specialties for the paper industry, from paper sizes to pigments, fillers and processing aids…

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C0640	Global Inorganic Filler Market, Total, (Volume I + II)	556	☐ EUR 1990	☐ EUR 2390	☐ EUR 3390
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