

# Growth Opportunities for Adhesive in Global Aerospace Industry 2014-2020: Trend, Forecast, and Opportunity Analysis.

https://marketpublishers.com/r/G631D6B06D2EN.html

Date: May 2014

Pages: 136

Price: US\$ 4,850.00 (Single User License)

ID: G631D6B06D2EN

## **Abstracts**

The adhesive in global aerospace industry is expected to increase with a CAGR of 3.4% by 2020. The major drivers of adhesive in global aerospace industry is increasing penetration of composites in aircrafts and increasing aircraft deliveries. Many new aircraft programs have high composites penetration for reduction in aircraft weight and fuel efficiency, resulting in increasing demand for adhesives. With the increasing air passenger traffic rate, delivery for aircraft is increasing which will drive the adhesive market.

Lucintel, a leading global management consulting and market research firm, has analyzed the adhesive in global aerospace industry by aircraft type, product type and by region and has come up with comprehensive research report "Growth Opportunities for Adhesive in Global Aerospace Industry 2014-2020: Trend, Forecast, and Opportunity Analysis." This report provides an analysis of the adhesive in global aerospace industry including analysis of the market trends, competitive landscape, company profiles, mergers and acquisitions, emerging trends, and key drivers of industry growth. The study also includes adhesive in global aerospace industry trends and forecasts through 2020, segmented by regions, by aircraft type, and by product type as follows:

Adhesive in global aerospace industry by regions:

North America

Europe

Asia Pacific



Rest of World

Adhesive in global aerospace industry by product type:

**Epoxy Adhesive** 

Other Adhesive

Adhesive in global aerospace industry by aircraft type:

Commercial Aircraft

Regional Aircraft

General Aviation

Defense Aircraft

Helicopters

On the basis of its comprehensive research, Lucintel forecasts that majority of the segments for adhesive in global aerospace industry will grow moderately during 2014-2020. Commercial aircraft segment is expected to grow at faster pace than general aviation and regional jets. Adhesive manufacturers are continuously adopting new strategies to gain market share in this industry. Adhesive in aerospace industry is now replacing traditional fasteners such as rivets, bolts due to increased focus of OEMs and parts manufacturers on lightweight and fuel efficient aircrafts. This will further drive the adhesive market. Henkel, Cytec, Hexcel Corporation are among the major suppliers of adhesive in global aerospace industry.

The biggest challenge the industry faces is government regulations for VOC (Volatile Organic Compound) control. Therefore, customers are demanding eco-friendly products. Another challenge in this industry is the modification or development of products according to specification which involve high R&D expenses and strict certifications by aerospace OEMs and component manufacturers. Regular innovation of



products is very important for companies to sustain their successful position in the market.

This unique report from Lucintel will provide you with valuable information, insights, and tools needed to identify new growth opportunities and operate your business successfully in this market. This report will save hundreds of hours of your own personal research time and will significantly benefit you in expanding your business in this market. In today's stringent economy, you need every advantage that you can find.



## **Contents**

#### 1. EXECUTIVE SUMMARY

## 2. INDUSTRY BACKGROUND AND CLASSIFICATIONS

- 2.1: Introduction
- 2.2: Classification of adhesive market
  - 2.2.1: Advantages of adhesive usage in global aerospace industry
  - 2.2.2: Difficulties in adhesive usage
  - 2.2.3: Adhesive in global aerospace industry
  - 2.2.4: Application of adhesives in global aerospace industry
  - 2.2.5: Supply chain

#### 3. MARKET TREND AND FORECAST ANALYSIS

- 3.1: Current market analysis 2013
  - 3.1.1: Adhesive in global aerospace industry by value and volume
  - 3.1.2: Adhesive in global aerospace industry by segment (material type)
  - 3.1.3: Adhesive in global aerospace industry by aircraft type
  - 3.1.4: Adhesive in global aerospace industry by Region
- 3.2: Market trend 2008-2013
  - 3.2.1: Macroeconomic trends
  - 3.2.2: Adhesive in global aerospace industry by value and volume
  - 3.2.3: Adhesive trend in North American aerospace industry by value and volume
  - 3.2.4: Adhesive trend in European aerospace industry by value and volume
  - 3.2.5: Adhesive trend in APAC aerospace industry by value and volume
- 3.2.6: Adhesive trend in ROW aerospace industry by value and volume
- 3.2.7: Industry drivers and challenges
- 3.3: Market Forecast 2014-2020
  - 3.3.1: Macroeconomic forecasts
  - 3.3.2: Global aerospace forecast by value and volume
  - 3.3.3: Adhesive forecast in North American aerospace industry by value and volume
  - 3.3.4: Adhesive forecast in European aerospace industry by value and volume
  - 3.3.5: Adhesive forecast in APAC aerospace market by value and volume
  - 3.3.6: Adhesive forecast in ROW aerospace market by value and volume

#### 4. COMPETITOR ANALYSIS



- 4.1: Product portfolio analysis
- 4.2: Market share analysis
- 4.3: Operational integration
- 4.4: Porter's Five Forces Analysis

## 5. GROWTH OPPORTUNITY AND STRATEGIC ANALYSIS

- 5.1: Growth opportunities analysis
  - 5.1.1: Growth opportunity by region
  - 5.1.2: Growth opportunity by segment
  - 5.1.3: Growth opportunity by aircraft type
- 5.2: Emerging trends for adhesive in global aerospace industry
- 5.3: Unmet needs for adhesive in global aerospace industry
- 5.4: Strategic analysis
  - 5.4.1: New product development
- 5.5: Innovations in adhesive for global aerospace industry
- 5.6: Mergers and acquisitions for adhesive in global aerospace industry

#### 6. COMPANY PROFILES OF LEADING PLAYERS

## 7. CUSTOMER ANALYSIS

- 7.1 Customer in different segments
- 7.2 Major customer profiles

Airbus

Boeing

Bombardier

Embraer

Cessna Aircraft

Gulfstream Aerospace

**Dassault Aviation** 

Airbus Helicopter

Bell Helicopter

AgustaWestland

**GKN** Aerospace

Spirit AeroSystems Inc.

Rolls Royce

Mitsubishi Heavy Industries Ltd.

Triumph Aerostructures



Latecoere



# **List Of Figures**

#### **LIST OF FIGURES**

- Chapter 2. Industry Background and Classifications
- Figure 2.1: Adhesive evolution (1910-2013)
- Figure 2.2: Aircraft surface bonded with adhesive
- Figure 2.3: Classification of aerospace industry according to aircraft type
- Figure 2.4: Raw materials (aluminum, steel, titanium, and composites) consumption (%) in commercial aerospace industry
- Figure 2.5: Evolution of composites applications in commercial aircraft
- Figure 2.6: Application of adhesive in primary structure of aircraft (Source: Boeing)
- Figure 2.7: Application of adhesive in secondary structure of aircraft (Source: Delo Industrial Adhesives)
- Figure 2.8: Composite materials bonded together using adhesives in aircraft seat trays (Source: Permabond)
- Figure 2.9: Appearance of aircraft surface using adhesive for bonding
- Figure 2.10: Supply chain of adhesive in global aerospace industry
- Chapter 3. Market Trend and Forecast Analysis
- Figure 3.1: Adhesive distribution (%) in global aerospace industry (\$M) by segment in 2013
- Figure 3.2: Adhesive in global aerospace industry (\$M) by segment in 2013
- Figure 3.3: Adhesive distribution (%) in global aerospace industry (M lbs) by segment in 2013
- Figure 3.4: Adhesive in global aerospace industry (M lbs) by segment in 2013
- Figure 3.5: Adhesive distribution (%) in global aerospace industry (\$M) by aircraft type in 2013
- Figure 3.6: Adhesive in global aerospace industry (\$M) by aircraft type in 2013
- Figure 3.7: Adhesive distribution (%) in global aerospace industry (M lbs) by aircraft type in 2013
- Figure 3.8: Adhesive in global aerospace industry (M lbs) by aircraft type in 2013
- Figure 3.9: Adhesive distribution (%) in global aerospace industry (\$M) by region in 2013
- Figure 3.10: Adhesive in global aerospace industry (\$M) by region in 2013
- Figure 3.11: Adhesive distribution (%) in global aerospace industry (M lbs) by region in 2013
- Figure 3.12: Adhesive in global aerospace industry (M lbs) by region in 2013
- Figure 3.13: Global GDP growth rate trend
- Figure 3.14: Global air passenger traffic growth rate trend



- Figure 3.15: Trend in aircraft deliveries for Boeing and Airbus 2008-2013
- Figure 3.16: Global per capita income trend
- Figure 3.17: Adhesive growth trend in global aerospace industry (2008-2013)
- Figure 3.18: Adhesive growth trend (\$M) in global aerospace industry by aircraft type (2008-2013)
- Figure 3.19: CAGR for adhesive in global aerospace industry by aircraft type (2008-2013)
- Figure 3.20: Adhesive growth trend (\$M) in global aerospace industry by segment (2008- 2013)
- Figure 3.21: CAGR for adhesive in global aerospace industry by segment (2008-2013)
- Figure 3.22: Adhesive growth trend in North American aerospace industry (2008-2013)
- Figure 3.23: Adhesive growth trend in European aerospace industry (2008-2013)
- Figure 3.24: Adhesive growth trend in APAC aerospace industry (2008-2013)
- Figure 3.25: Adhesive growth trend in ROW aerospace industry (2008-2013)
- Figure 3.26: Drivers and challenges of adhesive in global aerospace industry
- Figure 3.27: Trend and forecast in usage of composites in aerospace industry
- Figure 3.28: Global GDP growth rate forecast
- Figure 3.29: Forecast in aircraft deliveries for Boeing and Airbus 2014-2020
- Figure 3.30: Global per capita income forecast
- Figure 3.31: Adhesive forecast in global aerospace industry (2014-2020)
- Figure 3.32: Adhesive forecast (\$M) in global aerospace industry by aircraft type (2014-2020)
- Figure 3.33: Adhesive forecast (\$M) in global aerospace industry by segment (2014-2020)
- Figure 3.34: Adhesive forecast in North American aerospace industry 2014-2020
- Figure 3.35: Adhesive forecast in European aerospace industry 2014-2020
- Figure 3.36: Adhesive forecast in APAC aerospace industry 2014-2020
- Figure 3.37: Adhesive forecast in ROW aerospace industry 2014-2020
- Chapter 4. Competitor Analysis
- Figure 4.1: Adhesive suppliers product portfolio based on material type
- Figure 4.2: Market share analysis of top five adhesive manufacturers in global aerospace industry 2013
- Figure 4.3: Market share in terms of \$ value by top five adhesive manufacturers in global aerospace industry in 2013
- Figure 4.4: Major adhesive manufacturers in global aerospace industry
- Figure 4.5: Market coverage of adhesive manufacturers in global aerospace industry
- Figure 4.6: Porter's Five Forces Analysis for adhesive in global aerospace industry
- Chapter 5. Growth Opportunity and Strategic Analysis
- Figure 5.1: Growth opportunity by region 2014-2020



Figure 5.2: Growth opportunity by segment 2014-2020

Figure 5.3: Growth opportunity by aircraft type 2014-2020

Figure 5.4: Emerging trends for adhesive in global aerospace industry

Figure 5.5: Unmet needs for adhesive in global aerospace industry

Chapter 7. Customer Analysis

Figure 7.1: Geographical footprints of customers of adhesive in global aerospace

industry



## **List Of Tables**

## **LIST OF TABLES**

- Chapter 1. Executive Summary
- Table 1.1: Adhesive in global aerospace industry parameters and attributes
- Chapter 2. Industry Background and Classifications
- Table 2.1: Comparison of adhesives based on chemical category
- Table 2.2: Advantages and disadvantages of adhesives based on polymeric base
- Table 2.3: Types of adhesives and their applications
- Table 2.4: Applications of adhesives in aircraft
- Chapter 3. Market Trend and Forecast Analysis
- Table 3.1: Market tends (2008-2013) of adhesive shipment in global aerospace industry
- Table 3.2: Average growth rates for one, three, and five years for adhesive in global aerospace industry in terms of \$ shipment
- Table 3.3: Market size and 2012-2013 growth rates for adhesive in global aerospace industry by aircraft type in terms of value and volume shipment
- Table 3.4: Market size and annual growth rates during last five years (2008-2013) for adhesive in global aerospace industry by aircraft type in terms of value and volume shipment
- Table 3.5: Market size and 2012-2013 growth rates for adhesive in global aerospace industry by segment in terms of value and volume shipment
- Table 3.6: Market size and annual growth rates during last five years (2008-2013) for adhesive in global aerospace industry by segment in terms of value and volume shipment
- Table 3.7: Market trends (2008-2013) of adhesive shipment in North American aerospace industry
- Table 3.8: Average growth rates for one, three, and five years for adhesive in North American aerospace industry in terms of \$ Shipment
- Table 3.9: Market trends (2008-2013) of adhesive shipment in European aerospace industry
- Table 3.10: Average growth rates for one, three, and five years for adhesive in European aerospace industry in terms of \$ shipment
- Table 3.11: Market trends (2008-2013) of adhesive shipment in APAC aerospace Industry
- Table 3.12: Average growth rates for one, three, and five years for adhesive in APAC aerospace industry in terms of \$ shipment
- Table 3.13: Market trends (2008-2013) of adhesive shipment in ROW aerospace industry



- Table 3.14: Average growth rates for one, three, and five years for adhesive in ROW aerospace industry in terms of \$ shipment
- Table 3.15: Usage of composites (%) in various aircraft models
- Table 3.16: Economic outlook of leading economies of four regions in 2014
- Table 3.17: Market forecast (2014-2020) of adhesive shipment in global aerospace industry
- Table 3.18: Average growth rates for one, three, and six years for adhesive in global aerospace industry in terms of \$ shipment
- Table 3.19: Market size and 2013-2014 growth rates of adhesive in global aerospace industry by aircraft type in terms of value and volume shipment
- Table 3.20: Market size and annual growth rates during next six years (2014-2020) for adhesive in global aerospace industry by aircraft type in terms of value and volume shipment
- Table 3.21: Market size and 2013-2014 growth rates of adhesive in global aerospace industry by segment in terms of value and volume shipment
- Table 3.22: Market size and annual growth rates during next six years (2014-2020) for adhesive in global aerospace industry by segment in terms of value and volume shipment
- Table 3.23: Market forecast (2014-2020) of adhesive shipment in North American aerospace industry
- Table 3.24: Average growth rates for one, three, and six years for adhesive in North American aerospace industry in terms of \$ shipment
- Table 3.25: Market forecast (2014-2020) of adhesive shipment in European aerospace industry
- Table 3.26: Average growth rates for one, three, and six years for adhesive in European aerospace industry in terms of \$ shipment
- Table 3.27: Market forecast (2014-2020) of adhesive shipment in APAC aerospace industry
- Table 3.28: Average growth rates for one, three, and six years for adhesive in APAC aerospace industry in terms of \$ shipment
- Table 3.29: Market forecast (2014-2020) of adhesive shipment in ROW aerospace industry
- Table 3.30: Average growth rates for one, three, and six years for adhesive in ROW aerospace industry in terms of \$ shipment
- Chapter 4. Competitor Analysis
- Table 4.1: Rankings of suppliers based on adhesive revenue in aerospace industry
- Table 4.2: Presence of adhesive manufacturers across the value chain
- Chapter 5. Growth Opportunity and Strategic Analysis
- Table 5.1: New product launches by adhesive players in global aerospace industry



Chapter 7. Customer Analysis

Table 7.1: Major customers/end users of adhesive in aerospace industry for different applications



## I would like to order

Product name: Growth Opportunities for Adhesive in Global Aerospace Industry 2014-2020: Trend,

Forecast, and Opportunity Analysis.

Product link: <a href="https://marketpublishers.com/r/G631D6B06D2EN.html">https://marketpublishers.com/r/G631D6B06D2EN.html</a>

Price: US\$ 4,850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

## **Payment**

First name:

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/G631D6B06D2EN.html">https://marketpublishers.com/r/G631D6B06D2EN.html</a>

To pay by Wire Transfer, please, fill in your contact details in the form below:

Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <a href="https://marketpublishers.com/docs/terms.html">https://marketpublishers.com/docs/terms.html</a>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

