

# 2018-2023 Global Paper Dry Strength Agent Consumption Market Report

https://marketpublishers.com/r/2C703D4104FEN.html

Date: August 2018

Pages: 137

Price: US\$ 4,660.00 (Single User License)

ID: 2C703D4104FEN

# **Abstracts**

The report requires updating with new data and is sent in 48 hours after order is placed.

In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global Paper Dry Strength Agent market for 2018-2023.

Papermaking dry strength agent also known as paper dry additives, dry strength agents are divide into two segments namely, natural dry agents and synthetic dry agents. In natural dry agents it is futher subsegmneted into startch and Guar Gum and synthetic dry agents is subsegmneted as polyVinylamine, polyacrylamide (PAM), poly aminoamide eipchlorohydrin (PAE), Glyoxylated Polyacrylamide (GPAM) and Amphoteric Polymer.

First, the Paper Dry Strength Agent industry concentration is not relatively high; and high-end products mainly from Japan US and Europe. In the world wide, Most of manufactures distribute in China, Europe and NA. Japan has a long history and unshakable status in this industry, like Seiko Pmc Corporation and Harima Chemicals Group, both have perfect products. As to China, it is Chengming Chemical leading the industry, followed by Tianma and Changhai Refinement Technology. The global consumption reached 803.3 K MT in 2017, will reach the 1087 K MT in 2024.

Second, from Paper Dry Strength Agent industry characteristics, since the upstream material acrylonitrile is highly toxic, acrylamide also has some toxicity, greater toxicity entire production process, more serious occupational hazards, and there is a certain amount of pollutant emissions, production damage. For developed countries, environmental protection, production safety, labor protection and other aspects of employees demanding for products containing toxic chemicals take different degrees of restrictions and without incentives. Therefore, developed countries to take the policy shift base, will choose the new production base in China, India and other developing



countries.

Third, in the international market, Paper Dry Strength Agent main application areas are very concentrated. At present, Asia has become the largest consumer of Paper Dry Strength Agent, paper areas has been widely used as the additive in recent years and paper board.

Fourth, all manufactures in the world are committed to the improvement of product. Chinese manufactures can almost catch up with the world's leading technology too. But some, such as the paper industry pam direction, there is still a gap with foreign product quality.

Fifth, we tend to believe this industry now is close to mature, and the consumption increasing degree will show a smooth curve. On product prices, the slow upward and then downward trend in recent years will maintain in the future, as competition intensifies, prices gap between different brands will go narrowing. Similarly, there will be fluctuation in gross margin....

This is the end of Paper Dry Strength Agent report.

Over the next five years, LPI(LP Information) projects that Paper Dry Strength Agent will register a 7.2% CAGR in terms of revenue, reach US\$ 960 million by 2023, from US\$ 630 million in 2017.

This report presents a comprehensive overview, market shares, and growth opportunities of Paper Dry Strength Agent market by product type, application, key manufacturers and key regions.

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

Polyvinyl Amine Type

Polyacrylamide Type

Glyoxylated Polyacrylamide Type

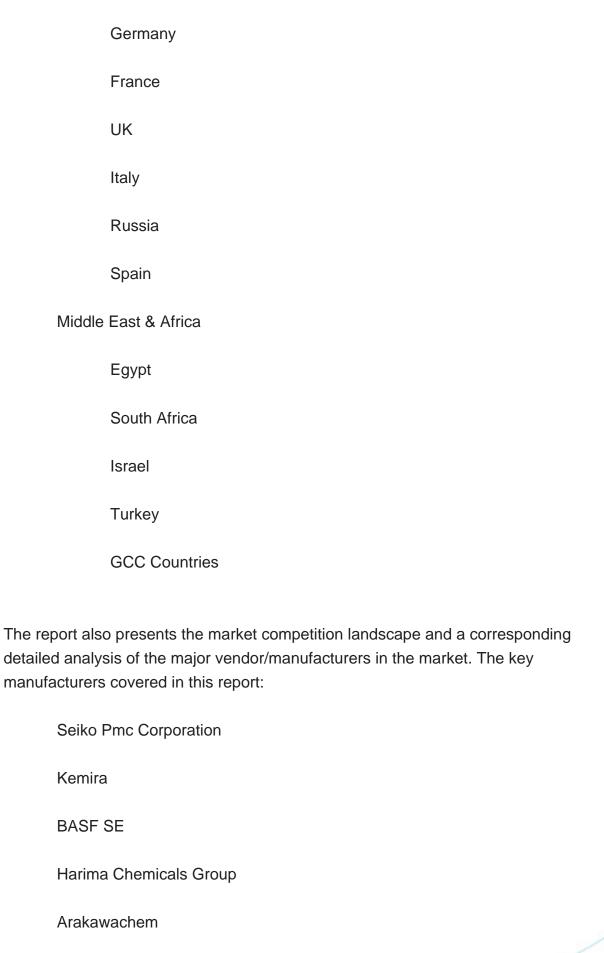
Starch Based Polymers Type

Amphoteric Polymers Type



| Others                       |                                |  |
|------------------------------|--------------------------------|--|
| Segmentation by application: |                                |  |
| Paper                        |                                |  |
| Paper                        | Board                          |  |
| Others                       |                                |  |
| This report als              | o splits the market by region: |  |
| Americ                       | cas                            |  |
|                              | United States                  |  |
|                              | Canada                         |  |
|                              | Mexico                         |  |
|                              | Brazil                         |  |
| APAC                         |                                |  |
|                              | China                          |  |
|                              | Japan                          |  |
|                              | Korea                          |  |
|                              | Southeast Asia                 |  |
|                              | India                          |  |
|                              | Australia                      |  |
|                              |                                |  |







Solenis

Tianma

Changhai Refinement Technology

**Chengming Chemical** 

Richards Chemicals & Electricals

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

#### **RESEARCH OBJECTIVES**

To study and analyze the global Paper Dry Strength Agent consumption (value & volume) by key regions/countries, product type and application, history data from 2013 to 2017, and forecast to 2023.

To understand the structure of Paper Dry Strength Agent market by identifying its various subsegments.

Focuses on the key global Paper Dry Strength Agent manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Paper Dry Strength Agent with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of Paper Dry Strength Agent submarkets, with respect to key regions (along with their respective key countries).



To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.



## **Contents**

# 2018-2023 GLOBAL PAPER DRY STRENGTH AGENT CONSUMPTION MARKET REPORT

#### 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Research Objectives
- 1.3 Years Considered
- 1.4 Market Research Methodology
- 1.5 Economic Indicators
- 1.6 Currency Considered

#### **2 EXECUTIVE SUMMARY**

- 2.1 World Market Overview
  - 2.1.1 Global Paper Dry Strength Agent Consumption 2013-2023
- 2.1.2 Paper Dry Strength Agent Consumption CAGR by Region
- 2.2 Paper Dry Strength Agent Segment by Type
  - 2.2.1 Polyvinyl Amine Type
  - 2.2.2 Polyacrylamide Type
  - 2.2.3 Glyoxylated Polyacrylamide Type
  - 2.2.4 Starch Based Polymers Type
  - 2.2.5 Amphoteric Polymers Type
  - 2.2.6 Others
- 2.3 Paper Dry Strength Agent Consumption by Type
- 2.3.1 Global Paper Dry Strength Agent Consumption Market Share by Type (2013-2018)
- 2.3.2 Global Paper Dry Strength Agent Revenue and Market Share by Type (2013-2018)
  - 2.3.3 Global Paper Dry Strength Agent Sale Price by Type (2013-2018)
- 2.4 Paper Dry Strength Agent Segment by Application
  - 2.4.1 Paper
  - 2.4.2 Paper Board
  - 2.4.3 Others
- 2.5 Paper Dry Strength Agent Consumption by Application
- 2.5.1 Global Paper Dry Strength Agent Consumption Market Share by Application (2013-2018)



- 2.5.2 Global Paper Dry Strength Agent Value and Market Share by Application (2013-2018)
- 2.5.3 Global Paper Dry Strength Agent Sale Price by Application (2013-2018)

#### **3 GLOBAL PAPER DRY STRENGTH AGENT BY PLAYERS**

- 3.1 Global Paper Dry Strength Agent Sales Market Share by Players
  - 3.1.1 Global Paper Dry Strength Agent Sales by Players (2016-2018)
  - 3.1.2 Global Paper Dry Strength Agent Sales Market Share by Players (2016-2018)
- 3.2 Global Paper Dry Strength Agent Revenue Market Share by Players
  - 3.2.1 Global Paper Dry Strength Agent Revenue by Players (2016-2018)
- 3.2.2 Global Paper Dry Strength Agent Revenue Market Share by Players (2016-2018)
- 3.3 Global Paper Dry Strength Agent Sale Price by Players
- 3.4 Global Paper Dry Strength Agent Manufacturing Base Distribution, Sales Area, Product Types by Players
- 3.4.1 Global Paper Dry Strength Agent Manufacturing Base Distribution and Sales Area by Players
  - 3.4.2 Players Paper Dry Strength Agent Products Offered
- 3.5 Market Concentration Rate Analysis
  - 3.5.1 Competition Landscape Analysis
  - 3.5.2 Concentration Ratio (CR3, CR5 and CR10) (2016-2018)
- 3.6 New Products and Potential Entrants
- 3.7 Mergers & Acquisitions, Expansion

#### **4 PAPER DRY STRENGTH AGENT BY REGIONS**

- 4.1 Paper Dry Strength Agent by Regions
  - 4.1.1 Global Paper Dry Strength Agent Consumption by Regions
  - 4.1.2 Global Paper Dry Strength Agent Value by Regions
- 4.2 Americas Paper Dry Strength Agent Consumption Growth
- 4.3 APAC Paper Dry Strength Agent Consumption Growth
- 4.4 Europe Paper Dry Strength Agent Consumption Growth
- 4.5 Middle East & Africa Paper Dry Strength Agent Consumption Growth

#### **5 AMERICAS**

- 5.1 Americas Paper Dry Strength Agent Consumption by Countries
  - 5.1.1 Americas Paper Dry Strength Agent Consumption by Countries (2013-2018)
  - 5.1.2 Americas Paper Dry Strength Agent Value by Countries (2013-2018)



- 5.2 Americas Paper Dry Strength Agent Consumption by Type
- 5.3 Americas Paper Dry Strength Agent Consumption by Application
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Key Economic Indicators of Few Americas Countries

#### 6 APAC

- 6.1 APAC Paper Dry Strength Agent Consumption by Countries
- 6.1.1 APAC Paper Dry Strength Agent Consumption by Countries (2013-2018)
- 6.1.2 APAC Paper Dry Strength Agent Value by Countries (2013-2018)
- 6.2 APAC Paper Dry Strength Agent Consumption by Type
- 6.3 APAC Paper Dry Strength Agent Consumption by Application
- 6.4 China
- 6.5 Japan
- 6.6 Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 Key Economic Indicators of Few APAC Countries

#### **7 EUROPE**

- 7.1 Europe Paper Dry Strength Agent by Countries
  - 7.1.1 Europe Paper Dry Strength Agent Consumption by Countries (2013-2018)
  - 7.1.2 Europe Paper Dry Strength Agent Value by Countries (2013-2018)
- 7.2 Europe Paper Dry Strength Agent Consumption by Type
- 7.3 Europe Paper Dry Strength Agent Consumption by Application
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia
- 7.9 Spain
- 7.10 Key Economic Indicators of Few Europe Countries

#### **8 MIDDLE EAST & AFRICA**



- 8.1 Middle East & Africa Paper Dry Strength Agent by Countries
- 8.1.1 Middle East & Africa Paper Dry Strength Agent Consumption by Countries (2013-2018)
  - 8.1.2 Middle East & Africa Paper Dry Strength Agent Value by Countries (2013-2018)
- 8.2 Middle East & Africa Paper Dry Strength Agent Consumption by Type
- 8.3 Middle East & Africa Paper Dry Strength Agent Consumption by Application
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

## 9 MARKET DRIVERS, CHALLENGES AND TRENDS

- 9.1 Market Drivers and Impact
  - 9.1.1 Growing Demand from Key Regions
- 9.1.2 Growing Demand from Key Applications and Potential Industries
- 9.2 Market Challenges and Impact
- 9.3 Market Trends

#### 10 MARKETING, DISTRIBUTORS AND CUSTOMER

- 10.1 Sales Channel
  - 10.1.1 Direct Marketing
  - 10.1.2 Indirect Marketing
- 10.2 Paper Dry Strength Agent Distributors
- 10.3 Paper Dry Strength Agent Customer

#### 11 GLOBAL PAPER DRY STRENGTH AGENT MARKET FORECAST

- 11.1 Global Paper Dry Strength Agent Consumption Forecast (2018-2023)
- 11.2 Global Paper Dry Strength Agent Forecast by Regions
  - 11.2.1 Global Paper Dry Strength Agent Forecast by Regions (2018-2023)
  - 11.2.2 Global Paper Dry Strength Agent Value Forecast by Regions (2018-2023)
  - 11.2.3 Americas Consumption Forecast
  - 11.2.4 APAC Consumption Forecast
  - 11.2.5 Europe Consumption Forecast
  - 11.2.6 Middle East & Africa Consumption Forecast
- 11.3 Americas Forecast by Countries



- 11.3.1 United States Market Forecast
- 11.3.2 Canada Market Forecast
- 11.3.3 Mexico Market Forecast
- 11.3.4 Brazil Market Forecast
- 11.4 APAC Forecast by Countries
  - 11.4.1 China Market Forecast
  - 11.4.2 Japan Market Forecast
  - 11.4.3 Korea Market Forecast
  - 11.4.4 Southeast Asia Market Forecast
  - 11.4.5 India Market Forecast
- 11.4.6 Australia Market Forecast
- 11.5 Europe Forecast by Countries
  - 11.5.1 Germany Market Forecast
  - 11.5.2 France Market Forecast
  - 11.5.3 UK Market Forecast
  - 11.5.4 Italy Market Forecast
  - 11.5.5 Russia Market Forecast
  - 11.5.6 Spain Market Forecast
- 11.6 Middle East & Africa Forecast by Countries
  - 11.6.1 Egypt Market Forecast
  - 11.6.2 South Africa Market Forecast
  - 11.6.3 Israel Market Forecast
  - 11.6.4 Turkey Market Forecast
- 11.6.5 GCC Countries Market Forecast
- 11.7 Global Paper Dry Strength Agent Forecast by Type
- 11.8 Global Paper Dry Strength Agent Forecast by Application

#### 12 KEY PLAYERS ANALYSIS

- 12.1 Seiko Pmc Corporation
  - 12.1.1 Company Details
  - 12.1.2 Paper Dry Strength Agent Product Offered
- 12.1.3 Seiko Pmc Corporation Paper Dry Strength Agent Sales, Revenue, Price and Gross Margin (2016-2018)
  - 12.1.4 Main Business Overview
  - 12.1.5 Seiko Pmc Corporation News
- 12.2 Kemira
  - 12.2.1 Company Details
  - 12.2.2 Paper Dry Strength Agent Product Offered



- 12.2.3 Kemira Paper Dry Strength Agent Sales, Revenue, Price and Gross Margin (2016-2018)
- 12.2.4 Main Business Overview
- 12.2.5 Kemira News
- 12.3 BASF SE
  - 12.3.1 Company Details
  - 12.3.2 Paper Dry Strength Agent Product Offered
- 12.3.3 BASF SE Paper Dry Strength Agent Sales, Revenue, Price and Gross Margin (2016-2018)
  - 12.3.4 Main Business Overview
  - 12.3.5 BASF SE News
- 12.4 Harima Chemicals Group
  - 12.4.1 Company Details
  - 12.4.2 Paper Dry Strength Agent Product Offered
- 12.4.3 Harima Chemicals Group Paper Dry Strength Agent Sales, Revenue, Price and Gross Margin (2016-2018)
  - 12.4.4 Main Business Overview
  - 12.4.5 Harima Chemicals Group News
- 12.5 Arakawachem
  - 12.5.1 Company Details
  - 12.5.2 Paper Dry Strength Agent Product Offered
- 12.5.3 Arakawachem Paper Dry Strength Agent Sales, Revenue, Price and Gross Margin (2016-2018)
  - 12.5.4 Main Business Overview
  - 12.5.5 Arakawachem News
- 12.6 Solenis
  - 12.6.1 Company Details
  - 12.6.2 Paper Dry Strength Agent Product Offered
- 12.6.3 Solenis Paper Dry Strength Agent Sales, Revenue, Price and Gross Margin (2016-2018)
  - 12.6.4 Main Business Overview
  - 12.6.5 Solenis News
- 12.7 Tianma
  - 12.7.1 Company Details
  - 12.7.2 Paper Dry Strength Agent Product Offered
- 12.7.3 Tianma Paper Dry Strength Agent Sales, Revenue, Price and Gross Margin (2016-2018)
  - 12.7.4 Main Business Overview
  - 12.7.5 Tianma News



- 12.8 Changhai Refinement Technology
  - 12.8.1 Company Details
  - 12.8.2 Paper Dry Strength Agent Product Offered
  - 12.8.3 Changhai Refinement Technology Paper Dry Strength Agent Sales, Revenue,

Price and Gross Margin (2016-2018)

- 12.8.4 Main Business Overview
- 12.8.5 Changhai Refinement Technology News
- 12.9 Chengming Chemical
  - 12.9.1 Company Details
  - 12.9.2 Paper Dry Strength Agent Product Offered
- 12.9.3 Chengming Chemical Paper Dry Strength Agent Sales, Revenue, Price and Gross Margin (2016-2018)
  - 12.9.4 Main Business Overview
- 12.9.5 Chengming Chemical News
- 12.10 Richards Chemicals & Electricals
  - 12.10.1 Company Details
  - 12.10.2 Paper Dry Strength Agent Product Offered
  - 12.10.3 Richards Chemicals & Electricals Paper Dry Strength Agent Sales, Revenue,

Price and Gross Margin (2016-2018)

- 12.10.4 Main Business Overview
- 12.10.5 Richards Chemicals & Electricals News

#### 13 RESEARCH FINDINGS AND CONCLUSION



# **List Of Tables**

#### LIST OF TABLES AND FIGURES

Figure Picture of Paper Dry Strength Agent

Table Product Specifications of Paper Dry Strength Agent

Figure Paper Dry Strength Agent Report Years Considered

Figure Market Research Methodology

Figure Global Paper Dry Strength Agent Consumption Growth Rate 2013-2023 (K MT)

Figure Global Paper Dry Strength Agent Value Growth Rate 2013-2023 (\$ Millions)

Table Paper Dry Strength Agent Consumption CAGR by Region 2013-2023 (\$ Millions)

Figure Product Picture of Polyvinyl Amine Type

Table Major Players of Polyvinyl Amine Type

Figure Product Picture of Polyacrylamide Type

Table Major Players of Polyacrylamide Type

Figure Product Picture of Glyoxylated Polyacrylamide Type

Table Major Players of Glyoxylated Polyacrylamide Type

Figure Product Picture of Starch Based Polymers Type

Table Major Players of Starch Based Polymers Type

Figure Product Picture of Amphoteric Polymers Type

Table Major Players of Amphoteric Polymers Type

Figure Product Picture of Others

**Table Major Players of Others** 

Table Global Consumption Sales by Type (2013-2018)

Table Global Paper Dry Strength Agent Consumption Market Share by Type (2013-2018)

Figure Global Paper Dry Strength Agent Consumption Market Share by Type (2013-2018)

Table Global Paper Dry Strength Agent Revenue by Type (2013-2018) (\$ million)

Table Global Paper Dry Strength Agent Value Market Share by Type (2013-2018) (\$ Millions)

Figure Global Paper Dry Strength Agent Value Market Share by Type (2013-2018)

Table Global Paper Dry Strength Agent Sale Price by Type (2013-2018)

Figure Paper Dry Strength Agent Consumed in Paper

Figure Global Paper Dry Strength Agent Market: Paper (2013-2018) (K MT)

Figure Global Paper Dry Strength Agent Market: Paper (2013-2018) (\$ Millions)

Figure Global Paper YoY Growth (\$ Millions)

Figure Paper Dry Strength Agent Consumed in Paper Board

Figure Global Paper Dry Strength Agent Market: Paper Board (2013-2018) (K MT)



Figure Global Paper Dry Strength Agent Market: Paper Board (2013-2018) (\$ Millions)

Figure Global Paper Board YoY Growth (\$ Millions)

Figure Paper Dry Strength Agent Consumed in Others

Figure Global Paper Dry Strength Agent Market: Others (2013-2018) (K MT)

Figure Global Paper Dry Strength Agent Market: Others (2013-2018) (\$ Millions)

Figure Global Others YoY Growth (\$ Millions)

Table Global Consumption Sales by Application (2013-2018)

Table Global Paper Dry Strength Agent Consumption Market Share by Application (2013-2018)

Figure Global Paper Dry Strength Agent Consumption Market Share by Application (2013-2018)

Table Global Paper Dry Strength Agent Value by Application (2013-2018)

Table Global Paper Dry Strength Agent Value Market Share by Application (2013-2018)

Figure Global Paper Dry Strength Agent Value Market Share by Application (2013-2018)

Table Global Paper Dry Strength Agent Sale Price by Application (2013-2018)

Table Global Paper Dry Strength Agent Sales by Players (2016-2018) (K MT)

Table Global Paper Dry Strength Agent Sales Market Share by Players (2016-2018)

Figure Global Paper Dry Strength Agent Sales Market Share by Players in 2016

Figure Global Paper Dry Strength Agent Sales Market Share by Players in 2017

Table Global Paper Dry Strength Agent Revenue by Players (2016-2018) (\$ Millions)

Table Global Paper Dry Strength Agent Revenue Market Share by Players (2016-2018)

Figure Global Paper Dry Strength Agent Revenue Market Share by Players in 2016

Figure Global Paper Dry Strength Agent Revenue Market Share by Players in 2017

Table Global Paper Dry Strength Agent Sale Price by Players (2016-2018)

Figure Global Paper Dry Strength Agent Sale Price by Players in 2017

Table Global Paper Dry Strength Agent Manufacturing Base Distribution and Sales Area by Players

Table Players Paper Dry Strength Agent Products Offered

Table Paper Dry Strength Agent Concentration Ratio (CR3, CR5 and CR10) (2016-2018)

Table Global Paper Dry Strength Agent Consumption by Regions 2013-2018 (K MT)

Table Global Paper Dry Strength Agent Consumption Market Share by Regions 2013-2018

Figure Global Paper Dry Strength Agent Consumption Market Share by Regions 2013-2018

Table Global Paper Dry Strength Agent Value by Regions 2013-2018 (\$ Millions)

Table Global Paper Dry Strength Agent Value Market Share by Regions 2013-2018

Figure Global Paper Dry Strength Agent Value Market Share by Regions 2013-2018



Figure Americas Paper Dry Strength Agent Consumption 2013-2018 (K MT)

Figure Americas Paper Dry Strength Agent Value 2013-2018 (\$ Millions)

Figure APAC Paper Dry Strength Agent Consumption 2013-2018 (K MT)

Figure APAC Paper Dry Strength Agent Value 2013-2018 (\$ Millions)

Figure Europe Paper Dry Strength Agent Consumption 2013-2018 (K MT)

Figure Europe Paper Dry Strength Agent Value 2013-2018 (\$ Millions)

Figure Middle East & Africa Paper Dry Strength Agent Consumption 2013-2018 (K MT)

Figure Middle East & Africa Paper Dry Strength Agent Value 2013-2018 (\$ Millions)

Table Americas Paper Dry Strength Agent Consumption by Countries (2013-2018) (K MT)

Table Americas Paper Dry Strength Agent Consumption Market Share by Countries (2013-2018)

Figure Americas Paper Dry Strength Agent Consumption Market Share by Countries in 2017

Table Americas Paper Dry Strength Agent Value by Countries (2013-2018) (\$ Millions) Table Americas Paper Dry Strength Agent Value Market Share by Countries (2013-2018)

Figure Americas Paper Dry Strength Agent Value Market Share by Countries in 2017 Table Americas Paper Dry Strength Agent Consumption by Type (2013-2018) (K MT) Table Americas Paper Dry Strength Agent Consumption Market Share by Type (2013-2018)

Figure Americas Paper Dry Strength Agent Consumption Market Share by Type in 2017 Table Americas Paper Dry Strength Agent Consumption by Application (2013-2018) (K MT)

Table Americas Paper Dry Strength Agent Consumption Market Share by Application (2013-2018)

Figure Americas Paper Dry Strength Agent Consumption Market Share by Application in 2017

Figure United States Paper Dry Strength Agent Consumption Growth 2013-2018 (K MT)

Figure United States Paper Dry Strength Agent Value Growth 2013-2018 (\$ Millions)

Figure Canada Paper Dry Strength Agent Consumption Growth 2013-2018 (K MT)

Figure Canada Paper Dry Strength Agent Value Growth 2013-2018 (\$ Millions)

Figure Mexico Paper Dry Strength Agent Consumption Growth 2013-2018 (K MT)

Figure Mexico Paper Dry Strength Agent Value Growth 2013-2018 (\$ Millions)

Table APAC Paper Dry Strength Agent Consumption by Countries (2013-2018) (K MT)

Table APAC Paper Dry Strength Agent Consumption Market Share by Countries (2013-2018)

Figure APAC Paper Dry Strength Agent Consumption Market Share by Countries in 2017



Table APAC Paper Dry Strength Agent Value by Countries (2013-2018) (\$ Millions)
Table APAC Paper Dry Strength Agent Value Market Share by Countries (2013-2018)
Figure APAC Paper Dry Strength Agent Value Market Share by Countries in 2017
Table APAC Paper Dry Strength Agent Consumption by Type (2013-2018) (K MT)
Table APAC Paper Dry Strength Agent Consumption Market Share by Type (2013-2018)

Figure APAC Paper Dry Strength Agent Consumption Market Share by Type in 2017 Table APAC Paper Dry Strength Agent Consumption by Application (2013-2018) (K MT) Table APAC Paper Dry Strength Agent Consumption Market Share by Application (2013-2018)

Figure APAC Paper Dry Strength Agent Consumption Market Share by Application in 2017

Figure China Paper Dry Strength Agent Consumption Growth 2013-2018 (K MT)
Figure China Paper Dry Strength Agent Value Growth 2013-2018 (\$ Millions)
Figure Japan Paper Dry Strength Agent Consumption Growth 2013-2018 (K MT)
Figure Japan Paper Dry Strength Agent Value Growth 2013-2018 (\$ Millions)
Figure Korea Paper Dry Strength Agent Consumption Growth 2013-2018 (K MT)
Figure Korea Paper Dry Strength Agent Value Growth 2013-2018 (\$ Millions)
Figure Southeast Asia Paper Dry Strength Agent Consumption Growth 2013-2018 (K MT)

Figure Southeast Asia Paper Dry Strength Agent Value Growth 2013-2018 (\$ Millions)
Figure India Paper Dry Strength Agent Consumption Growth 2013-2018 (K MT)
Figure India Paper Dry Strength Agent Value Growth 2013-2018 (\$ Millions)
Figure Australia Paper Dry Strength Agent Consumption Growth 2013-2018 (K MT)
Figure Australia Paper Dry Strength Agent Value Growth 2013-2018 (\$ Millions)
Table Europe Paper Dry Strength Agent Consumption by Countries (2013-2018) (K MT)
Table Europe Paper Dry Strength Agent Consumption Market Share by Countries (2013-2018)

Figure Europe Paper Dry Strength Agent Consumption Market Share by Countries in 2017

Table Europe Paper Dry Strength Agent Value by Countries (2013-2018) (\$ Millions)
Table Europe Paper Dry Strength Agent Value Market Share by Countries (2013-2018)
Figure Europe Paper Dry Strength Agent Value Market Share by Countries in 2017
Table Europe Paper Dry Strength Agent Consumption by Type (2013-2018) (K MT)
Table Europe Paper Dry Strength Agent Consumption Market Share by Type
(2013-2018)

Figure Europe Paper Dry Strength Agent Consumption Market Share by Type in 2017 Table Europe Paper Dry Strength Agent Consumption by Application (2013-2018) (K MT)



Table Europe Paper Dry Strength Agent Consumption Market Share by Application (2013-2018)

Figure Europe Paper Dry Strength Agent Consumption Market Share by Application in 2017

Figure Germany Paper Dry Strength Agent Consumption Growth 2013-2018 (K MT)

Figure Germany Paper Dry Strength Agent Value Growth 2013-2018 (\$ Millions)

Figure France Paper Dry Strength Agent Consumption Growth 2013-2018 (K MT)

Figure France Paper Dry Strength Agent Value Growth 2013-2018 (\$ Millions)

Figure UK Paper Dry Strength Agent Consumption Growth 2013-2018 (K MT)

Figure UK Paper Dry Strength Agent Value Growth 2013-2018 (\$ Millions)

Figure Italy Paper Dry Strength Agent Consumption Growth 2013-2018 (K MT)

Figure Italy Paper Dry Strength Agent Value Growth 2013-2018 (\$ Millions)

Figure Russia Paper Dry Strength Agent Consumption Growth 2013-2018 (K MT)

Figure Russia Paper Dry Strength Agent Value Growth 2013-2018 (\$ Millions)

Figure Spain Paper Dry Strength Agent Consumption Growth 2013-2018 (K MT)

Figure Spain Paper Dry Strength Agent Value Growth 2013-2018 (\$ Millions)

Table Middle East & Africa Paper Dry Strength Agent Consumption by Countries (2013-2018) (K MT)

Table Middle East & Africa Paper Dry Strength Agent Consumption Market Share by Countries (2013-2018)

Figure Middle East & Africa Paper Dry Strength Agent Consumption Market Share by Countries in 2017

Table Middle East & Africa Paper Dry Strength Agent Value by Countries (2013-2018) (\$ Millions)

Table Middle East & Africa Paper Dry Strength Agent Value Market Share by Countries (2013-2018)

Figure Middle East & Africa Paper Dry Strength Agent Value Market Share by Countries in 2017

Table Middle East & Africa Paper Dry Strength Agent Consumption by Type (2013-2018) (K MT)

Table Middle East & Africa Paper Dry Strength Agent Consumption Market Share by Type (2013-2018)

Figure Middle East & Africa Paper Dry Strength Agent Consumption Market Share by Type in 2017

Table Middle East & Africa Paper Dry Strength Agent Consumption by Application (2013-2018) (K MT)

Table Middle East & Africa Paper Dry Strength Agent Consumption Market Share by Application (2013-2018)

Figure Middle East & Africa Paper Dry Strength Agent Consumption Market Share by



Application in 2017

Figure Egypt Paper Dry Strength Agent Consumption Growth 2013-2018 (K MT)

Figure Egypt Paper Dry Strength Agent Value Growth 2013-2018 (\$ Millions)

Figure South Africa Paper Dry Strength Agent Consumption Growth 2013-2018 (K MT)

Figure South Africa Paper Dry Strength Agent Value Growth 2013-2018 (\$ Millions)

Figure Israel Paper Dry Strength Agent Consumption Growth 2013-2018 (K MT)

Figure Israel Paper Dry Strength Agent Value Growth 2013-2018 (\$ Millions)

Figure Turkey Paper Dry Strength Agent Consumption Growth 2013-2018 (K MT)

Figure Turkey Paper Dry Strength Agent Value Growth 2013-2018 (\$ Millions)

Figure GCC Countries Paper Dry Strength Agent Consumption Growth 2013-2018 (K MT)

Figure GCC Countries Paper Dry Strength Agent Value Growth 2013-2018 (\$ Millions)

Table Paper Dry Strength Agent Distributors List

Table Paper Dry Strength Agent Customer List

Figure Global Paper Dry Strength Agent Consumption Growth Rate Forecast (2018-2023) (K MT)

Figure Global Paper Dry Strength Agent Value Growth Rate Forecast (2018-2023) (\$ Millions)

Table Global Paper Dry Strength Agent Consumption Forecast by Countries (2018-2023) (K MT)

Table Global Paper Dry Strength Agent Consumption Market Forecast by Regions Table Global Paper Dry Strength Agent Value Forecast by Countries (2018-2023) (\$ Millions)

Table Global Paper Dry Strength Agent Value Market Share Forecast by Regions

Figure Americas Paper Dry Strength Agent Consumption 2018-2023 (K MT)

Figure Americas Paper Dry Strength Agent Value 2018-2023 (\$ Millions)

Figure APAC Paper Dry Strength Agent Consumption 2018-2023 (K MT)

Figure APAC Paper Dry Strength Agent Value 2018-2023 (\$ Millions)

Figure Europe Paper Dry Strength Agent Consumption 2018-2023 (K MT)

Figure Europe Paper Dry Strength Agent Value 2018-2023 (\$ Millions)

Figure Middle East & Africa Paper Dry Strength Agent Consumption 2018-2023 (K MT)

Figure Middle East & Africa Paper Dry Strength Agent Value 2018-2023 (\$ Millions)

Figure United States Paper Dry Strength Agent Consumption 2018-2023 (K MT)

Figure United States Paper Dry Strength Agent Value 2018-2023 (\$ Millions)

Figure Canada Paper Dry Strength Agent Consumption 2018-2023 (K MT)

Figure Canada Paper Dry Strength Agent Value 2018-2023 (\$ Millions)

Figure Mexico Paper Dry Strength Agent Consumption 2018-2023 (K MT)

Figure Mexico Paper Dry Strength Agent Value 2018-2023 (\$ Millions)

Figure Brazil Paper Dry Strength Agent Consumption 2018-2023 (K MT)



Figure Brazil Paper Dry Strength Agent Value 2018-2023 (\$ Millions)

Figure China Paper Dry Strength Agent Consumption 2018-2023 (K MT)

Figure China Paper Dry Strength Agent Value 2018-2023 (\$ Millions)

Figure Japan Paper Dry Strength Agent Consumption 2018-2023 (K MT)

Figure Japan Paper Dry Strength Agent Value 2018-2023 (\$ Millions)

Figure Korea Paper Dry Strength Agent Consumption 2018-2023 (K MT)

Figure Korea Paper Dry Strength Agent Value 2018-2023 (\$ Millions)

Figure Southeast Asia Paper Dry Strength Agent Consumption 2018-2023 (K MT)

Figure Southeast Asia Paper Dry Strength Agent Value 2018-2023 (\$ Millions)

Figure India Paper Dry Strength Agent Consumption 2018-2023 (K MT)

Figure India Paper Dry Strength Agent Value 2018-2023 (\$ Millions)

Figure Australia Paper Dry Strength Agent Consumption 2018-2023 (K MT)

Figure Australia Paper Dry Strength Agent Value 2018-2023 (\$ Millions)

Figure Germany Paper Dry Strength Agent Consumption 2018-2023 (K MT)

Figure Germany Paper Dry Strength Agent Value 2018-2023 (\$ Millions)

Figure France Paper Dry Strength Agent Consumption 2018-2023 (K MT)

Figure France Paper Dry Strength Agent Value 2018-2023 (\$ Millions)

Figure UK Paper Dry Strength Agent Consumption 2018-2023 (K MT)

Figure UK Paper Dry Strength Agent Value 2018-2023 (\$ Millions)

Figure Italy Paper Dry Strength Agent Consumption 2018-2023 (K MT)

Figure Italy Paper Dry Strength Agent Value 2018-2023 (\$ Millions)

Figure Russia Paper Dry Strength Agent Consumption 2018-2023 (K MT)

Figure Russia Paper Dry Strength Agent Value 2018-2023 (\$ Millions)

Figure Spain Paper Dry Strength Agent Consumption 2018-2023 (K MT)

Figure Spain Paper Dry Strength Agent Value 2018-2023 (\$ Millions)

Figure Egypt Paper Dry Strength Agent Consumption 2018-2023 (K MT)

Figure Egypt Paper Dry Strength Agent Value 2018-2023 (\$ Millions)

Figure South Africa Paper Dry Strength Agent Consumption 2018-2023 (K MT)

Figure South Africa Paper Dry Strength Agent Value 2018-2023 (\$ Millions)

Figure Israel Paper Dry Strength Agent Consumption 2018-2023 (K MT)

Figure Israel Paper Dry Strength Agent Value 2018-2023 (\$ Millions)

Figure Turkey Paper Dry Strength Agent Consumption 2018-2023 (K MT)

Figure Turkey Paper Dry Strength Agent Value 2018-2023 (\$ Millions)

Figure GCC Countries Paper Dry Strength Agent Consumption 2018-2023 (K MT)

Figure GCC Countries Paper Dry Strength Agent Value 2018-2023 (\$ Millions)

Table Global Paper Dry Strength Agent Consumption Forecast by Type (2018-2023) (K MT)

Table Global Paper Dry Strength Agent Consumption Market Share Forecast by Type (2018-2023)



Table Global Paper Dry Strength Agent Value Forecast by Type (2018-2023) (\$ Millions)

Table Global Paper Dry Strength Agent Value Market Share Forecast by Type (2018-2023)

Table Global Paper Dry Strength Agent Consumption Forecast by Application (2018-2023) (K MT)

Table Global Paper Dry Strength Agent Consumption Market Share Forecast by Application (2018-2023)

Table Global Paper Dry Strength Agent Value Forecast by Application (2018-2023) (\$ Millions)

Table Global Paper Dry Strength Agent Value Market Share Forecast by Application (2018-2023)

Table Seiko Pmc Corporation Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Seiko Pmc Corporation Paper Dry Strength Agent Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Seiko Pmc Corporation Paper Dry Strength Agent Market Share (2016-2018) Table Kemira Basic Information, Manufacturing Base, Sales Area and Its Competitors Table Kemira Paper Dry Strength Agent Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Kemira Paper Dry Strength Agent Market Share (2016-2018)

Table BASF SE Basic Information, Manufacturing Base, Sales Area and Its Competitors Table BASF SE Paper Dry Strength Agent Sales, Revenue, Price and Gross Margin (2016-2018)

Figure BASF SE Paper Dry Strength Agent Market Share (2016-2018)

Table Harima Chemicals Group Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Harima Chemicals Group Paper Dry Strength Agent Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Harima Chemicals Group Paper Dry Strength Agent Market Share (2016-2018) Table Arakawachem Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Arakawachem Paper Dry Strength Agent Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Arakawachem Paper Dry Strength Agent Market Share (2016-2018)

Table Solenis Basic Information, Manufacturing Base, Sales Area and Its Competitors Table Solenis Paper Dry Strength Agent Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Solenis Paper Dry Strength Agent Market Share (2016-2018)



Table Tianma Basic Information, Manufacturing Base, Sales Area and Its Competitors Table Tianma Paper Dry Strength Agent Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Tianma Paper Dry Strength Agent Market Share (2016-2018)

Table Changhai Refinement Technology Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Changhai Refinement Technology Paper Dry Strength Agent Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Changhai Refinement Technology Paper Dry Strength Agent Market Share (2016-2018)

Table Chengming Chemical Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Chengming Chemical Paper Dry Strength Agent Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Chengming Chemical Paper Dry Strength Agent Market Share (2016-2018)
Table Richards Chemicals & Electricals Basic Information, Manufacturing Base, Sales
Area and Its Competitors

Table Richards Chemicals & Electricals Paper Dry Strength Agent Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Richards Chemicals & Electricals Paper Dry Strength Agent Market Share (2016-2018)



#### I would like to order

Product name: 2018-2023 Global Paper Dry Strength Agent Consumption Market Report

Product link: <a href="https://marketpublishers.com/r/2C703D4104FEN.html">https://marketpublishers.com/r/2C703D4104FEN.html</a>

Price: US\$ 4,660.00 (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/2C703D4104FEN.html">https://marketpublishers.com/r/2C703D4104FEN.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        |
|               |                           |
|               |                           |

& Conditions at https://marketpublishers.com/docs/terms.html

and fax the completed form to +44 20 7900 3970

To place an order via fax simply print this form, fill in the information below

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms