

# Global Hard Permeable Pipe Market Growth 2022-2028

<https://marketpublishers.com/r/G34965680535EN.html>

Date: November 2022

Pages: 108

Price: US\$ 3,660.00 (Single User License)

ID: G34965680535EN

## Abstracts

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

The upper part of the rigid permeable pipe is 2/3 with small holes, and the lower half is 1/3 without holes, which can prevent secondary leakage of groundwater and quickly discharge groundwater.

The global market for Hard Permeable Pipe is estimated to increase from US\$ million in 2021 to reach US\$ million by 2028, exhibiting a CAGR of % during 2022-2028. Keeping in mind the uncertainties of COVID-19 and Russia-Ukraine War, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use sectors. These insights are included in the report as a major market contributor.

The APAC Hard Permeable Pipe market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The United States Hard Permeable Pipe market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The Europe Hard Permeable Pipe market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The China Hard Permeable Pipe market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

Global key Hard Permeable Pipe players cover Yinuo Project, Runze, Nanxu, Pengyang and Lurui, etc. In terms of revenue, the global largest two companies occupy a share nearly % in 2021.

## Report Coverage

This latest report provides a deep insight into the global Hard Permeable Pipe market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, value chain analysis, etc.

This report aims to provide a comprehensive picture of the global Hard Permeable Pipe market, with both quantitative and qualitative data, to help readers understand how the Hard Permeable Pipe market scenario changed across the globe during the pandemic and Russia-Ukraine War.

The base year considered for analyses is 2021, while the market estimates and forecasts are given from 2022 to 2028. The market estimates are provided in terms of revenue in USD millions and volume in Metres.

## Market Segmentation:

The study segments the Hard Permeable Pipe market and forecasts the market size by Diameter (50MM, 75MM and 90MM), by Application (Railway Construction, Airport Runway, Football and Landscaping), and region (APAC, Americas, Europe, and Middle East & Africa).

### Segmentation by diameter

50MM

75MM

90MM

Other

### Segmentation by application

Railway Construction

Airport Runway

Football

Landscaping

Other

## Segmentation by region

### Americas

United States

Canada

Mexico

Brazil

### APAC

China

Japan

Korea

Southeast Asia

India

Australia

### Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

Major companies covered

Yinuo Project

Runze

Nanxu

Pengyang

Lurui

Lvjian Fangshui

Changfeng Geosynthetics

Jinliyuan

Shanyi Materials

Shuangnli

Liangtai

TEX

## Chapter Introduction

Chapter 1: Scope of Hard Permeable Pipe, Research Methodology, etc.

Chapter 2: Executive Summary, global Hard Permeable Pipe market size (sales and revenue) and CAGR, Hard Permeable Pipe market size by region, by diameter, by application, historical data from 2017 to 2022, and forecast to 2028.

Chapter 3: Hard Permeable Pipe sales, revenue, average price, global market share, and industry ranking by company, 2017-2022

Chapter 4: Global Hard Permeable Pipe sales and revenue by region and by country. Country specific data and market value analysis for the U.S., Canada, Europe, China, Japan, South Korea, Southeast Asia, India, Latin America and Middle East & Africa.

Chapter 5, 6, 7, 8: Americas, APAC, Europe, Middle East & Africa, sales segment by country, by diameter, and diameter.

Chapter 9: Analysis of the current market trends, market forecast, opportunities and economic trends that are affecting the future marketplace

Chapter 10: Manufacturing cost structure analysis

Chapter 11: Sales channel, distributors, and customers

Chapter 12: Global Hard Permeable Pipe market size forecast by region, by country, by diameter, and application.

Chapter 13: Comprehensive company profiles of the leading players, including Yinuo Project, Runze, Nanxu, Pengyang, Lurui, Lvjian Fangshui, Changfeng Geosynthetics,

Jinliyuan and Shanyi Materials, etc.

Chapter 14: Research Findings and Conclusion

## Contents

### **1 SCOPE OF THE REPORT**

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered

### **2 EXECUTIVE SUMMARY**

- 2.1 World Market Overview
  - 2.1.1 Global Hard Permeable Pipe Annual Sales 2017-2028
  - 2.1.2 World Current & Future Analysis for Hard Permeable Pipe by Geographic Region, 2017, 2022 & 2028
  - 2.1.3 World Current & Future Analysis for Hard Permeable Pipe by Country/Region, 2017, 2022 & 2028
- 2.2 Hard Permeable Pipe Segment by Diameter
  - 2.2.1 50MM
  - 2.2.2 75MM
  - 2.2.3 90MM
  - 2.2.4 Other
- 2.3 Hard Permeable Pipe Sales by Diameter
  - 2.3.1 Global Hard Permeable Pipe Sales Market Share by Diameter (2017-2022)
  - 2.3.2 Global Hard Permeable Pipe Revenue and Market Share by Diameter (2017-2022)
  - 2.3.3 Global Hard Permeable Pipe Sale Price by Diameter (2017-2022)
- 2.4 Hard Permeable Pipe Segment by Application
  - 2.4.1 Railway Construction
  - 2.4.2 Airport Runway
  - 2.4.3 Football
  - 2.4.4 Landscaping
  - 2.4.5 Other
- 2.5 Hard Permeable Pipe Sales by Application
  - 2.5.1 Global Hard Permeable Pipe Sale Market Share by Application (2017-2022)
  - 2.5.2 Global Hard Permeable Pipe Revenue and Market Share by Application

(2017-2022)

2.5.3 Global Hard Permeable Pipe Sale Price by Application (2017-2022)

### **3 GLOBAL HARD PERMEABLE PIPE BY COMPANY**

3.1 Global Hard Permeable Pipe Breakdown Data by Company

3.1.1 Global Hard Permeable Pipe Annual Sales by Company (2020-2022)

3.1.2 Global Hard Permeable Pipe Sales Market Share by Company (2020-2022)

3.2 Global Hard Permeable Pipe Annual Revenue by Company (2020-2022)

3.2.1 Global Hard Permeable Pipe Revenue by Company (2020-2022)

3.2.2 Global Hard Permeable Pipe Revenue Market Share by Company (2020-2022)

3.3 Global Hard Permeable Pipe Sale Price by Company

3.4 Key Manufacturers Hard Permeable Pipe Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Hard Permeable Pipe Product Location Distribution

3.4.2 Players Hard Permeable Pipe Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2020-2022)

3.6 New Products and Potential Entrants

3.7 Mergers & Acquisitions, Expansion

### **4 WORLD HISTORIC REVIEW FOR HARD PERMEABLE PIPE BY GEOGRAPHIC REGION**

4.1 World Historic Hard Permeable Pipe Market Size by Geographic Region (2017-2022)

4.1.1 Global Hard Permeable Pipe Annual Sales by Geographic Region (2017-2022)

4.1.2 Global Hard Permeable Pipe Annual Revenue by Geographic Region

4.2 World Historic Hard Permeable Pipe Market Size by Country/Region (2017-2022)

4.2.1 Global Hard Permeable Pipe Annual Sales by Country/Region (2017-2022)

4.2.2 Global Hard Permeable Pipe Annual Revenue by Country/Region

4.3 Americas Hard Permeable Pipe Sales Growth

4.4 APAC Hard Permeable Pipe Sales Growth

4.5 Europe Hard Permeable Pipe Sales Growth

4.6 Middle East & Africa Hard Permeable Pipe Sales Growth

### **5 AMERICAS**



## 5.1 Americas Hard Permeable Pipe Sales by Country

5.1.1 Americas Hard Permeable Pipe Sales by Country (2017-2022)

5.1.2 Americas Hard Permeable Pipe Revenue by Country (2017-2022)

## 5.2 Americas Hard Permeable Pipe Sales by Diameter

## 5.3 Americas Hard Permeable Pipe Sales by Application

### 5.4 United States

### 5.5 Canada

### 5.6 Mexico

### 5.7 Brazil

## 6 APAC

### 6.1 APAC Hard Permeable Pipe Sales by Region

6.1.1 APAC Hard Permeable Pipe Sales by Region (2017-2022)

6.1.2 APAC Hard Permeable Pipe Revenue by Region (2017-2022)

### 6.2 APAC Hard Permeable Pipe Sales by Diameter

### 6.3 APAC Hard Permeable Pipe Sales by Application

### 6.4 China

### 6.5 Japan

### 6.6 South Korea

### 6.7 Southeast Asia

### 6.8 India

### 6.9 Australia

### 6.10 China Taiwan

## 7 EUROPE

### 7.1 Europe Hard Permeable Pipe by Country

7.1.1 Europe Hard Permeable Pipe Sales by Country (2017-2022)

7.1.2 Europe Hard Permeable Pipe Revenue by Country (2017-2022)

### 7.2 Europe Hard Permeable Pipe Sales by Diameter

### 7.3 Europe Hard Permeable Pipe Sales by Application

### 7.4 Germany

### 7.5 France

### 7.6 UK

### 7.7 Italy

### 7.8 Russia

## 8 MIDDLE EAST & AFRICA

## 8.1 Middle East & Africa Hard Permeable Pipe by Country

8.1.1 Middle East & Africa Hard Permeable Pipe Sales by Country (2017-2022)

8.1.2 Middle East & Africa Hard Permeable Pipe Revenue by Country (2017-2022)

## 8.2 Middle East & Africa Hard Permeable Pipe Sales by Diameter

## 8.3 Middle East & Africa Hard Permeable Pipe Sales 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 & Growth Opportunities

### 9.2 Market Challenges & Risks

### 9.3 Industry Trends

## **10 MANUFACTURING COST STRUCTURE ANALYSIS**

### 10.1 Raw Material and Suppliers

### 10.2 Manufacturing Cost Structure Analysis of Hard Permeable Pipe

### 10.3 Manufacturing Process Analysis of Hard Permeable Pipe

### 10.4 Industry Chain Structure of Hard Permeable Pipe

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

### 11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

### 11.2 Hard Permeable Pipe Distributors

### 11.3 Hard Permeable Pipe Customer

## **12 WORLD FORECAST REVIEW FOR HARD PERMEABLE PIPE BY GEOGRAPHIC REGION**

### 12.1 Global Hard Permeable Pipe Market Size Forecast by Region

12.1.1 Global Hard Permeable Pipe Forecast by Region (2023-2028)

12.1.2 Global Hard Permeable Pipe Annual Revenue Forecast by Region (2023-2028)

- 12.2 Americas Forecast by Country
- 12.3 APAC Forecast by Region
- 12.4 Europe Forecast by Country
- 12.5 Middle East & Africa Forecast by Country
- 12.6 Global Hard Permeable Pipe Forecast by Diameter
- 12.7 Global Hard Permeable Pipe Forecast by Application

## **13 KEY PLAYERS ANALYSIS**

### 13.1 Yinuo Project

13.1.1 Yinuo Project Company Information

13.1.2 Yinuo Project Hard Permeable Pipe Product Offered

13.1.3 Yinuo Project Hard Permeable Pipe Sales, Revenue, Price and Gross Margin  
(2020-2022)

13.1.4 Yinuo Project Main Business Overview

13.1.5 Yinuo Project Latest Developments

### 13.2 Runze

13.2.1 Runze Company Information

13.2.2 Runze Hard Permeable Pipe Product Offered

13.2.3 Runze Hard Permeable Pipe Sales, Revenue, Price and Gross Margin  
(2020-2022)

13.2.4 Runze Main Business Overview

13.2.5 Runze Latest Developments

### 13.3 Nanxu

13.3.1 Nanxu Company Information

13.3.2 Nanxu Hard Permeable Pipe Product Offered

13.3.3 Nanxu Hard Permeable Pipe Sales, Revenue, Price and Gross Margin  
(2020-2022)

13.3.4 Nanxu Main Business Overview

13.3.5 Nanxu Latest Developments

### 13.4 Pengyang

13.4.1 Pengyang Company Information

13.4.2 Pengyang Hard Permeable Pipe Product Offered

13.4.3 Pengyang Hard Permeable Pipe Sales, Revenue, Price and Gross Margin  
(2020-2022)

13.4.4 Pengyang Main Business Overview

13.4.5 Pengyang Latest Developments

### 13.5 Lurui

13.5.1 Lurui Company Information

- 13.5.2 Lurui Hard Permeable Pipe Product Offered
- 13.5.3 Lurui Hard Permeable Pipe Sales, Revenue, Price and Gross Margin (2020-2022)
- 13.5.4 Lurui Main Business Overview
- 13.5.5 Lurui Latest Developments
- 13.6 Lvjian Fangshui
  - 13.6.1 Lvjian Fangshui Company Information
  - 13.6.2 Lvjian Fangshui Hard Permeable Pipe Product Offered
  - 13.6.3 Lvjian Fangshui Hard Permeable Pipe Sales, Revenue, Price and Gross Margin (2020-2022)
  - 13.6.4 Lvjian Fangshui Main Business Overview
  - 13.6.5 Lvjian Fangshui Latest Developments
- 13.7 Changfeng Geosynthetics
  - 13.7.1 Changfeng Geosynthetics Company Information
  - 13.7.2 Changfeng Geosynthetics Hard Permeable Pipe Product Offered
  - 13.7.3 Changfeng Geosynthetics Hard Permeable Pipe Sales, Revenue, Price and Gross Margin (2020-2022)
  - 13.7.4 Changfeng Geosynthetics Main Business Overview
  - 13.7.5 Changfeng Geosynthetics Latest Developments
- 13.8 Jinliyuan
  - 13.8.1 Jinliyuan Company Information
  - 13.8.2 Jinliyuan Hard Permeable Pipe Product Offered
  - 13.8.3 Jinliyuan Hard Permeable Pipe Sales, Revenue, Price and Gross Margin (2020-2022)
  - 13.8.4 Jinliyuan Main Business Overview
  - 13.8.5 Jinliyuan Latest Developments
- 13.9 Shanyi Materials
  - 13.9.1 Shanyi Materials Company Information
  - 13.9.2 Shanyi Materials Hard Permeable Pipe Product Offered
  - 13.9.3 Shanyi Materials Hard Permeable Pipe Sales, Revenue, Price and Gross Margin (2020-2022)
  - 13.9.4 Shanyi Materials Main Business Overview
  - 13.9.5 Shanyi Materials Latest Developments
- 13.10 Shuangnli
  - 13.10.1 Shuangnli Company Information
  - 13.10.2 Shuangnli Hard Permeable Pipe Product Offered
  - 13.10.3 Shuangnli Hard Permeable Pipe Sales, Revenue, Price and Gross Margin (2020-2022)
  - 13.10.4 Shuangnli Main Business Overview

13.10.5 Shuangnli Latest Developments

13.11 Liangtai

13.11.1 Liangtai Company Information

13.11.2 Liangtai Hard Permeable Pipe Product Offered

13.11.3 Liangtai Hard Permeable Pipe Sales, Revenue, Price and Gross Margin  
(2020-2022)

13.11.4 Liangtai Main Business Overview

13.11.5 Liangtai Latest Developments

13.12 TEX

13.12.1 TEX Company Information

13.12.2 TEX Hard Permeable Pipe Product Offered

13.12.3 TEX Hard Permeable Pipe Sales, Revenue, Price and Gross Margin  
(2020-2022)

13.12.4 TEX Main Business Overview

13.12.5 TEX Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

Table 1. Hard Permeable Pipe Annual Sales CAGR by Geographic Region (2017, 2022 & 2028) & (\$ millions)

Table 2. Hard Permeable Pipe Annual Sales CAGR by Country/Region (2017, 2022 & 2028) & (\$ millions)

Table 3. Major Players of 50MM

Table 4. Major Players of 75MM

Table 5. Major Players of 90MM

Table 6. Major Players of Other

Table 7. Global Hard Permeable Pipe Sales by Diameter (2017-2022) & (Metres)

Table 8. Global Hard Permeable Pipe Sales Market Share by Diameter (2017-2022)

Table 9. Global Hard Permeable Pipe Revenue by Diameter (2017-2022) & (\$ million)

Table 10. Global Hard Permeable Pipe Revenue Market Share by Diameter (2017-2022)

Table 11. Global Hard Permeable Pipe Sale Price by Diameter (2017-2022) & (US\$/Metre)

Table 12. Global Hard Permeable Pipe Sales by Application (2017-2022) & (Metres)

Table 13. Global Hard Permeable Pipe Sales Market Share by Application (2017-2022)

Table 14. Global Hard Permeable Pipe Revenue by Application (2017-2022)

Table 15. Global Hard Permeable Pipe Revenue Market Share by Application (2017-2022)

Table 16. Global Hard Permeable Pipe Sale Price by Application (2017-2022) & (US\$/Metre)

Table 17. Global Hard Permeable Pipe Sales by Company (2020-2022) & (Metres)

Table 18. Global Hard Permeable Pipe Sales Market Share by Company (2020-2022)

Table 19. Global Hard Permeable Pipe Revenue by Company (2020-2022) (\$ Millions)

Table 20. Global Hard Permeable Pipe Revenue Market Share by Company (2020-2022)

Table 21. Global Hard Permeable Pipe Sale Price by Company (2020-2022) & (US\$/Metre)

Table 22. Key Manufacturers Hard Permeable Pipe Producing Area Distribution and Sales Area

Table 23. Players Hard Permeable Pipe Products Offered

Table 24. Hard Permeable Pipe Concentration Ratio (CR3, CR5 and CR10) & (2020-2022)

Table 25. New Products and Potential Entrants

Table 26. Mergers & Acquisitions, Expansion

Table 27. Global Hard Permeable Pipe Sales by Geographic Region (2017-2022) & (Metres)

Table 28. Global Hard Permeable Pipe Sales Market Share Geographic Region (2017-2022)

Table 29. Global Hard Permeable Pipe Revenue by Geographic Region (2017-2022) & (\$ millions)

Table 30. Global Hard Permeable Pipe Revenue Market Share by Geographic Region (2017-2022)

Table 31. Global Hard Permeable Pipe Sales by Country/Region (2017-2022) & (Metres)

Table 32. Global Hard Permeable Pipe Sales Market Share by Country/Region (2017-2022)

Table 33. Global Hard Permeable Pipe Revenue by Country/Region (2017-2022) & (\$ millions)

Table 34. Global Hard Permeable Pipe Revenue Market Share by Country/Region (2017-2022)

Table 35. Americas Hard Permeable Pipe Sales by Country (2017-2022) & (Metres)

Table 36. Americas Hard Permeable Pipe Sales Market Share by Country (2017-2022)

Table 37. Americas Hard Permeable Pipe Revenue by Country (2017-2022) & (\$ Millions)

Table 38. Americas Hard Permeable Pipe Revenue Market Share by Country (2017-2022)

Table 39. Americas Hard Permeable Pipe Sales by Type (2017-2022) & (Metres)

Table 40. Americas Hard Permeable Pipe Sales Market Share by Diameter (2017-2022)

Table 41. Americas Hard Permeable Pipe Sales by Application (2017-2022) & (Metres)

Table 42. Americas Hard Permeable Pipe Sales Market Share by Application (2017-2022)

Table 43. APAC Hard Permeable Pipe Sales by Region (2017-2022) & (Metres)

Table 44. APAC Hard Permeable Pipe Sales Market Share by Region (2017-2022)

Table 45. APAC Hard Permeable Pipe Revenue by Region (2017-2022) & (\$ Millions)

Table 46. APAC Hard Permeable Pipe Revenue Market Share by Region (2017-2022)

Table 47. APAC Hard Permeable Pipe Sales by Diameter (2017-2022) & (Metres)

Table 48. APAC Hard Permeable Pipe Sales Market Share by Diameter (2017-2022)

Table 49. APAC Hard Permeable Pipe Sales by Application (2017-2022) & (Metres)

Table 50. APAC Hard Permeable Pipe Sales Market Share by Application (2017-2022)

Table 51. Europe Hard Permeable Pipe Sales by Country (2017-2022) & (Metres)

Table 52. Europe Hard Permeable Pipe Sales Market Share by Country (2017-2022)

Table 53. Europe Hard Permeable Pipe Revenue by Country (2017-2022) & (\$ Millions)



- Table 54. Europe Hard Permeable Pipe Revenue Market Share by Country (2017-2022)
- Table 55. Europe Hard Permeable Pipe Sales by Type (2017-2022) & (Metres)
- Table 56. Europe Hard Permeable Pipe Sales Market Share by Diameter (2017-2022)
- Table 57. Europe Hard Permeable Pipe Sales by Application (2017-2022) & (Metres)
- Table 58. Europe Hard Permeable Pipe Sales Market Share by Application (2017-2022)
- Table 59. Middle East & Africa Hard Permeable Pipe Sales by Country (2017-2022) & (Metres)
- Table 60. Middle East & Africa Hard Permeable Pipe Sales Market Share by Country (2017-2022)
- Table 61. Middle East & Africa Hard Permeable Pipe Revenue by Country (2017-2022) & (\$ Millions)
- Table 62. Middle East & Africa Hard Permeable Pipe Revenue Market Share by Country (2017-2022)
- Table 63. Middle East & Africa Hard Permeable Pipe Sales by Diameter (2017-2022) & (Metres)
- Table 64. Middle East & Africa Hard Permeable Pipe Sales Market Share by Diameter (2017-2022)
- Table 65. Middle East & Africa Hard Permeable Pipe Sales by Application (2017-2022) & (Metres)
- Table 66. Middle East & Africa Hard Permeable Pipe Sales Market Share by Application (2017-2022)
- Table 67. Key Market Drivers & Growth Opportunities of Hard Permeable Pipe
- Table 68. Key Market Challenges & Risks of Hard Permeable Pipe
- Table 69. Key Industry Trends of Hard Permeable Pipe
- Table 70. Hard Permeable Pipe Raw Material
- Table 71. Key Suppliers of Raw Materials
- Table 72. Hard Permeable Pipe Distributors List
- Table 73. Hard Permeable Pipe Customer List
- Table 74. Global Hard Permeable Pipe Sales Forecast by Region (2023-2028) & (Metres)
- Table 75. Global Hard Permeable Pipe Sales Market Forecast by Region
- Table 76. Global Hard Permeable Pipe Revenue Forecast by Region (2023-2028) & (\$ millions)
- Table 77. Global Hard Permeable Pipe Revenue Market Share Forecast by Region (2023-2028)
- Table 78. Americas Hard Permeable Pipe Sales Forecast by Country (2023-2028) & (Metres)
- Table 79. Americas Hard Permeable Pipe Revenue Forecast by Country (2023-2028) & (\$ millions)



- Table 80. APAC Hard Permeable Pipe Sales Forecast by Region (2023-2028) & (Metres)
- Table 81. APAC Hard Permeable Pipe Revenue Forecast by Region (2023-2028) & (\$ millions)
- Table 82. Europe Hard Permeable Pipe Sales Forecast by Country (2023-2028) & (Metres)
- Table 83. Europe Hard Permeable Pipe Revenue Forecast by Country (2023-2028) & (\$ millions)
- Table 84. Middle East & Africa Hard Permeable Pipe Sales Forecast by Country (2023-2028) & (Metres)
- Table 85. Middle East & Africa Hard Permeable Pipe Revenue Forecast by Country (2023-2028) & (\$ millions)
- Table 86. Global Hard Permeable Pipe Sales Forecast by Diameter (2023-2028) & (Metres)
- Table 87. Global Hard Permeable Pipe Sales Market Share Forecast by Diameter (2023-2028)
- Table 88. Global Hard Permeable Pipe Revenue Forecast by Diameter (2023-2028) & (\$ Millions)
- Table 89. Global Hard Permeable Pipe Revenue Market Share Forecast by Diameter (2023-2028)
- Table 90. Global Hard Permeable Pipe Sales Forecast by Application (2023-2028) & (Metres)
- Table 91. Global Hard Permeable Pipe Sales Market Share Forecast by Application (2023-2028)
- Table 92. Global Hard Permeable Pipe Revenue Forecast by Application (2023-2028) & (\$ Millions)
- Table 93. Global Hard Permeable Pipe Revenue Market Share Forecast by Application (2023-2028)
- Table 94. Yinuo Project Basic Information, Hard Permeable Pipe Manufacturing Base, Sales Area and Its Competitors
- Table 95. Yinuo Project Hard Permeable Pipe Product Offered
- Table 96. Yinuo Project Hard Permeable Pipe Sales (Metres), Revenue (\$ Million), Price (US\$/Metre) and Gross Margin (2020-2022)
- Table 97. Yinuo Project Main Business
- Table 98. Yinuo Project Latest Developments
- Table 99. Runze Basic Information, Hard Permeable Pipe Manufacturing Base, Sales Area and Its Competitors
- Table 100. Runze Hard Permeable Pipe Product Offered
- Table 101. Runze Hard Permeable Pipe Sales (Metres), Revenue (\$ Million), Price

(US\$/Metre) and Gross Margin (2020-2022)

Table 102. Runze Main Business

Table 103. Runze Latest Developments

Table 104. Nanxu Basic Information, Hard Permeable Pipe Manufacturing Base, Sales Area and Its Competitors

Table 105. Nanxu Hard Permeable Pipe Product Offered

Table 106. Nanxu Hard Permeable Pipe Sales (Metres), Revenue (\$ Million), Price (US\$/Metre) and Gross Margin (2020-2022)

Table 107. Nanxu Main Business

Table 108. Nanxu Latest Developments

Table 109. Pengyang Basic Information, Hard Permeable Pipe Manufacturing Base, Sales Area and Its Competitors

Table 110. Pengyang Hard Permeable Pipe Product Offered

Table 111. Pengyang Hard Permeable Pipe Sales (Metres), Revenue (\$ Million), Price (US\$/Metre) and Gross Margin (2020-2022)

Table 112. Pengyang Main Business

Table 113. Pengyang Latest Developments

Table 114. Lurui Basic Information, Hard Permeable Pipe Manufacturing Base, Sales Area and Its Competitors

Table 115. Lurui Hard Permeable Pipe Product Offered

Table 116. Lurui Hard Permeable Pipe Sales (Metres), Revenue (\$ Million), Price (US\$/Metre) and Gross Margin (2020-2022)

Table 117. Lurui Main Business

Table 118. Lurui Latest Developments

Table 119. Lvjian Fangshui Basic Information, Hard Permeable Pipe Manufacturing Base, Sales Area and Its Competitors

Table 120. Lvjian Fangshui Hard Permeable Pipe Product Offered

Table 121. Lvjian Fangshui Hard Permeable Pipe Sales (Metres), Revenue (\$ Million), Price (US\$/Metre) and Gross Margin (2020-2022)

Table 122. Lvjian Fangshui Main Business

Table 123. Lvjian Fangshui Latest Developments

Table 124. Changfeng Geosynthetics Basic Information, Hard Permeable Pipe Manufacturing Base, Sales Area and Its Competitors

Table 125. Changfeng Geosynthetics Hard Permeable Pipe Product Offered

Table 126. Changfeng Geosynthetics Hard Permeable Pipe Sales (Metres), Revenue (\$ Million), Price (US\$/Metre) and Gross Margin (2020-2022)

Table 127. Changfeng Geosynthetics Main Business

Table 128. Changfeng Geosynthetics Latest Developments

Table 129. Jinliyuanyuan Basic Information, Hard Permeable Pipe Manufacturing Base,

## Sales Area and Its Competitors

Table 130. Jinliyuan Hard Permeable Pipe Product Offered

Table 131. Jinliyuan Hard Permeable Pipe Sales (Metres), Revenue (\$ Million), Price (US\$/Metre) and Gross Margin (2020-2022)

Table 132. Jinliyuan Main Business

Table 133. Jinliyuan Latest Developments

Table 134. Shanyi Materials Basic Information, Hard Permeable Pipe Manufacturing Base, Sales Area and Its Competitors

Table 135. Shanyi Materials Hard Permeable Pipe Product Offered

Table 136. Shanyi Materials Hard Permeable Pipe Sales (Metres), Revenue (\$ Million), Price (US\$/Metre) and Gross Margin (2020-2022)

Table 137. Shanyi Materials Main Business

Table 138. Shanyi Materials Latest Developments

Table 139. Shuangnli Basic Information, Hard Permeable Pipe Manufacturing Base, Sales Area and Its Competitors

Table 140. Shuangnli Hard Permeable Pipe Product Offered

Table 141. Shuangnli Hard Permeable Pipe Sales (Metres), Revenue (\$ Million), Price (US\$/Metre) and Gross Margin (2020-2022)

Table 142. Shuangnli Main Business

Table 143. Shuangnli Latest Developments

Table 144. Liangtai Basic Information, Hard Permeable Pipe Manufacturing Base, Sales Area and Its Competitors

Table 145. Liangtai Hard Permeable Pipe Product Offered

Table 146. Liangtai Hard Permeable Pipe Sales (Metres), Revenue (\$ Million), Price (US\$/Metre) and Gross Margin (2020-2022)

Table 147. Liangtai Main Business

Table 148. Liangtai Latest Developments

Table 149. TEX Basic Information, Hard Permeable Pipe Manufacturing Base, Sales Area and Its Competitors

Table 150. TEX Hard Permeable Pipe Product Offered

Table 151. TEX Hard Permeable Pipe Sales (Metres), Revenue (\$ Million), Price (US\$/Metre) and Gross Margin (2020-2022)

Table 152. TEX Main Business

Table 153. TEX Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of Hard Permeable Pipe
- Figure 2. Hard Permeable Pipe Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Hard Permeable Pipe Sales Growth Rate 2017-2028 (Metres)
- Figure 7. Global Hard Permeable Pipe Revenue Growth Rate 2017-2028 (\$ Millions)
- Figure 8. Hard Permeable Pipe Sales by Region (2021 & 2028) & (\$ millions)
- Figure 9. Product Picture of 50MM
- Figure 10. Product Picture of 75MM
- Figure 11. Product Picture of 90MM
- Figure 12. Product Picture of Other
- Figure 13. Global Hard Permeable Pipe Sales Market Share by Diameter in 2021
- Figure 14. Global Hard Permeable Pipe Revenue Market Share by Diameter (2017-2022)
- Figure 15. Hard Permeable Pipe Consumed in Railway Construction
- Figure 16. Global Hard Permeable Pipe Market: Railway Construction (2017-2022) & (Metres)
- Figure 17. Hard Permeable Pipe Consumed in Airport Runway
- Figure 18. Global Hard Permeable Pipe Market: Airport Runway (2017-2022) & (Metres)
- Figure 19. Hard Permeable Pipe Consumed in Football
- Figure 20. Global Hard Permeable Pipe Market: Football (2017-2022) & (Metres)
- Figure 21. Hard Permeable Pipe Consumed in Landscaping
- Figure 22. Global Hard Permeable Pipe Market: Landscaping (2017-2022) & (Metres)
- Figure 23. Hard Permeable Pipe Consumed in Other
- Figure 24. Global Hard Permeable Pipe Market: Other (2017-2022) & (Metres)
- Figure 25. Global Hard Permeable Pipe Sales Market Share by Application (2017-2022)
- Figure 26. Global Hard Permeable Pipe Revenue Market Share by Application in 2021
- Figure 27. Hard Permeable Pipe Revenue Market by Company in 2021 (\$ Million)
- Figure 28. Global Hard Permeable Pipe Revenue Market Share by Company in 2021
- Figure 29. Global Hard Permeable Pipe Sales Market Share by Geographic Region (2017-2022)
- Figure 30. Global Hard Permeable Pipe Revenue Market Share by Geographic Region in 2021
- Figure 31. Global Hard Permeable Pipe Sales Market Share by Region (2017-2022)

Figure 32. Global Hard Permeable Pipe Revenue Market Share by Country/Region in 2021

Figure 33. Americas Hard Permeable Pipe Sales 2017-2022 (Metres)

Figure 34. Americas Hard Permeable Pipe Revenue 2017-2022 (\$ Millions)

Figure 35. APAC Hard Permeable Pipe Sales 2017-2022 (Metres)

Figure 36. APAC Hard Permeable Pipe Revenue 2017-2022 (\$ Millions)

Figure 37. Europe Hard Permeable Pipe Sales 2017-2022 (Metres)

Figure 38. Europe Hard Permeable Pipe Revenue 2017-2022 (\$ Millions)

Figure 39. Middle East & Africa Hard Permeable Pipe Sales 2017-2022 (Metres)

Figure 40. Middle East & Africa Hard Permeable Pipe Revenue 2017-2022 (\$ Millions)

Figure 41. Americas Hard Permeable Pipe Sales Market Share by Country in 2021

Figure 42. Americas Hard Permeable Pipe Revenue Market Share by Country in 2021

Figure 43. United States Hard Permeable Pipe Revenue Growth 2017-2022 (\$ Millions)

Figure 44. Canada Hard Permeable Pipe Revenue Growth 2017-2022 (\$ Millions)

Figure 45. Mexico Hard Permeable Pipe Revenue Growth 2017-2022 (\$ Millions)

Figure 46. Brazil Hard Permeable Pipe Revenue Growth 2017-2022 (\$ Millions)

Figure 47. APAC Hard Permeable Pipe Sales Market Share by Region in 2021

Figure 48. APAC Hard Permeable Pipe Revenue Market Share by Regions in 2021

Figure 49. China Hard Permeable Pipe Revenue Growth 2017-2022 (\$ Millions)

Figure 50. Japan Hard Permeable Pipe Revenue Growth 2017-2022 (\$ Millions)

Figure 51. South Korea Hard Permeable Pipe Revenue Growth 2017-2022 (\$ Millions)

Figure 52. Southeast Asia Hard Permeable Pipe Revenue Growth 2017-2022 (\$ Millions)

Figure 53. India Hard Permeable Pipe Revenue Growth 2017-2022 (\$ Millions)

Figure 54. Australia Hard Permeable Pipe Revenue Growth 2017-2022 (\$ Millions)

Figure 55. Europe Hard Permeable Pipe Sales Market Share by Country in 2021

Figure 56. Europe Hard Permeable Pipe Revenue Market Share by Country in 2021

Figure 57. Germany Hard Permeable Pipe Revenue Growth 2017-2022 (\$ Millions)

Figure 58. France Hard Permeable Pipe Revenue Growth 2017-2022 (\$ Millions)

Figure 59. UK Hard Permeable Pipe Revenue Growth 2017-2022 (\$ Millions)

Figure 60. Italy Hard Permeable Pipe Revenue Growth 2017-2022 (\$ Millions)

Figure 61. Russia Hard Permeable Pipe Revenue Growth 2017-2022 (\$ Millions)

Figure 62. Middle East & Africa Hard Permeable Pipe Sales Market Share by Country in 2021

Figure 63. Middle East & Africa Hard Permeable Pipe Revenue Market Share by Country in 2021

Figure 64. Egypt Hard Permeable Pipe Revenue Growth 2017-2022 (\$ Millions)

Figure 65. South Africa Hard Permeable Pipe Revenue Growth 2017-2022 (\$ Millions)

Figure 66. Israel Hard Permeable Pipe Revenue Growth 2017-2022 (\$ Millions)

- Figure 67. Turkey Hard Permeable Pipe Revenue Growth 2017-2022 (\$ Millions)
- Figure 68. GCC Country Hard Permeable Pipe Revenue Growth 2017-2022 (\$ Millions)
- Figure 69. Manufacturing Cost Structure Analysis of Hard Permeable Pipe in 2021
- Figure 70. Manufacturing Process Analysis of Hard Permeable Pipe
- Figure 71. Industry Chain Structure of Hard Permeable Pipe
- Figure 72. Channels of Distribution
- Figure 73. Distributors Profiles

## I would like to order

Product name: Global Hard Permeable Pipe Market Growth 2022-2028

Product link: <https://marketpublishers.com/r/G34965680535EN.html>

Price: US\$ 3,660.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G34965680535EN.html>

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

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

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

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