

Engineered Wood Adhesives Market by Resin (Melamine Formaldehyde, Phenol Resorcinol Formaldehyde), Product (CLT, OSB, MDF, LVL), Technology (Solvent-Based, Water-Based), Application (Structural, Non-Structural), and Region - Global Forecast to 2029

Market Report | 2024-05-02 | 300 pages | MarketsandMarkets

AVAILABLE LICENSES:

- Single User \$4950.00
- Multi User \$6650.00
- Corporate License \$8150.00
- Enterprise Site License \$10000.00

Report description:

The global engineered wood adhesives market size is projected to grow from USD 8.7 billion in 2024 to USD 10.5 billion, at a CAGR of 3.7%. Wood adhesives are essential for optimizing the use of timber resources, especially as the availability of large, quality trees decline. The wood industry has responded by developing innovative engineered wood products that leverage smaller logs, less desirable wood species, and previously unusable wood waste. These products, which include I-joists, glued laminated timber (glulam), and various forms of structural composite lumber such as LVL, PSL, LSL, and OSL, are designed to emulate the structural characteristics of solid-sawn lumber but with greater uniformity in their structural properties due to the removal of natural defects during manufacturing. These modern engineered wood products are integral to a wide range of construction applications, from architectural doors, windows, and frames to more ubiquitous elements like plywood, particleboard, medium-density fiberboard (MDF), and oriented strand board (OSB). The use of adhesives in these products not only facilitates the efficient use of wood but also enhances the performance characteristics of the final products, including their fire resistance. The water-based segment is expected to register one of the highest market share during the forecast period. Water-based adhesives are emerging as a preferable alternative, especially under tighter environmental regulations. These adhesives use water as a solvent, which significantly reduces VOC emissions. The primary advantages include safer working conditions and lower environmental impact. However, the performance of water-based adhesives generally lags behind solvent-based types in terms of water resistance and bonding strength under variable temperature conditions. Enhancements in chemical formulations are being developed to close this performance gap. The structural segment is expected to register one of the highest market share during the forecast period.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

In the construction industry, the strategic utilization of engineered wood products such as plywood, cross-laminated timber (CLT), laminated veneer lumber (LVL), and oriented strand board (OSB) is pivotal due to their enhanced mechanical properties, environmental sustainability, and cost-effectiveness. Each of these products serves distinct structural roles and is engineered to meet specific performance criteria, making them indispensable in modern building practices.

Plywood is crafted through the layering and cross-sectional bonding of wood veneers, utilizing adhesives that enhance its structural integrity. This configuration grants plywood exceptional strength and resistance to warping, making it suitable for a wide range of applications including flooring, roofing, and wall sheathing. Its ability to distribute loads evenly across the grain makes it a reliable choice for demanding environments.

Asia Pacific engineered wood adhesives market is estimated to capture one of the highest share in terms of volume during the forecast period

The Asia Pacific region stands out as both the largest and fastest-growing market, driven by robust economic growth and significant investments in various end-use industries. The area's prominence is further reinforced by the strategic initiatives of global industry leaders who are establishing production facilities, opening sales offices, and expanding distribution networks within the region. These strategic decisions reflect the sustained demand in the region and aim to capitalize on its cost-effective production capabilities and dynamic market conditions to enhance profit margins.

Despite this positive outlook, the market faces several challenges that could impact its growth trajectory. Economic fluctuations, the instability of raw material costs, and intense competition among local players are significant obstacles that could hinder progress. Nevertheless, the rigorous enforcement of regulatory standards across the region highlights the industry's commitment to quality and compliance with biocompatibility standards, ensuring that products meet the highest safety and performance criteria. This rigorous approach to regulation not only maintains product integrity but also supports sustainable market growth amidst these challenges.

The break-up of the profile of primary participants in the engineered wood adhesives market:

- By Company Type: Tier 1 - 46%, Tier 2 - 36%, and Tier 3 - 18%
- By Designation: C Level - 21%, D Level - 23%, and Others - 56%
- By Region: North America - 37%, Europe - 23%, Asia Pacific- 26%, and Rest of the World- 14%

The key companies profiled in this report are H.B. Fuller Company (US), Henkel AG & Co., KGaA. (Germany), AkzoNobel N.V. (Netherlands), Arkema SA (France), BASF SE (Germany), Dow (US), Huntsman Corporation (US), AICA Kogyo Co., Ltd (Japan), Astral Limited (India), Hexion (US), and others.

Research Coverage:

The engineered wood adhesives market is segmented by Resin (Melamine Formaldehyde, Phenol Resorcinol Formaldehyde, Polyurethane, and Others), Product (Cross-Laminated Timber, Laminated Veneer Lumber, Oriented Strand Board, Glulam, Plywood, Medium Density Fiberboard, and Others), Technology (Solvent-Based, Water-Based, Solvent-Less, and Reactive), Application (Structural, and Non-Residential), and Region (North America, Europe, Asia Pacific, and Rest of the World). The study's coverage covers detailed information on the key factors influencing the growth of the engineered wood adhesives market, such as drivers, constraints, challenges, and opportunities. A thorough examination of the top industry players was carried out in order to provide insights into their company overview, solutions, and services; essential strategies; contracts, partnerships, and agreements. This includes coverage of new product and service launches, mergers and acquisitions, and ongoing developments in the engineered wood adhesives market. A competitive analysis of emerging companies in the engineered wood adhesives business ecosystem is included in this study. Reasons to buy this report: The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall engineered wood adhesives market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

The report provides insights on the following pointers:

- Analysis of key drivers (Growing demand for engineered wood adhesives in sustainable infrastructure where engineered wood is required), restraints (volatility in raw material prices), opportunities (collaboration of distributors in untapped markets), and challenges (stringent regulatory policies).
- Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the engineered wood adhesives market
- Market Development: Comprehensive information about lucrative markets - the report analyses the engineered wood adhesives market across varied regions
- Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the engineered wood adhesives market
- Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players like H.B. Fuller Company (US), Henkel AG & Co., KGaA. (Germany), AkzoNobel N.V. (Netherlands), Arkema SA (France), BASF SE (Germany), Dow (US), Huntsman Corporation (US), AICA Kogyo Co., Ltd (Japan), Astral Limited (India), and Hexion (US). The report also helps stakeholders understand the pulse of the engineered wood adhesives market and provides them information on key market drivers, restraints, challenges, and opportunities.

Table of Contents:

1□INTRODUCTION□	37
1.1□STUDY OBJECTIVES□	37
1.2□MARKET DEFINITION□	38
1.2.1□INCLUSIONS AND EXCLUSIONS□	38
1.2.2□DEFINITION AND INCLUSIONS, BY RESIN TYPE□	39
1.2.3□DEFINITION AND INCLUSIONS, BY PRODUCT□	39
1.2.4□DEFINITION AND INCLUSIONS, BY TECHNOLOGY□	40
1.2.5□DEFINITION AND INCLUSIONS, BY APPLICATION□	41
1.3□MARKET SCOPE□	41
FIGURE 1□ENGINEERED WOOD ADHESIVES MARKET SEGMENTATION□	41
1.3.1□REGIONS COVERED□	42
1.3.2□YEARS CONSIDERED□	42
1.4□CURRENCY CONSIDERED□	43
TABLE 1□USD EXCHANGE RATE, 2019-2022□	43
1.5□UNITS CONSIDERED□	43
1.6□STAKEHOLDERS□	43
1.7□RECESSION IMPACT□	43
2□RESEARCH METHODOLOGY□	44
2.1□RESEARCH DATA□	44
FIGURE 2□ENGINEERED WOOD ADHESIVES MARKET: RESEARCH DESIGN□	44
2.1.1□SECONDARY DATA□	45
2.1.1.1□Key data from secondary sources□	45
2.1.2□PRIMARY DATA□	45
2.1.2.1□Key data from primary sources□	46
2.1.2.2□Breakdown of interviews with experts□	46
FIGURE 3□BREAKDOWN OF INTERVIEWS WITH EXPERTS□	46
2.1.2.3□Primary data sources□	47
2.1.2.4□Key industry insights□	47
2.2□MARKET SIZE ESTIMATION□	48

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

2.2.1	BOTTOM-UP APPROACH	48
FIGURE 4	MARKET SIZE ESTIMATION: BOTTOM-UP APPROACH	48
2.2.2	TOP-DOWN APPROACH	49
FIGURE 5	MARKET SIZE ESTIMATION: TOP-DOWN APPROACH	49
FIGURE 6	ENGINEERED WOOD ADHESIVES MARKET ESTIMATION, BY RESIN TYPE	49
FIGURE 7	ENGINEERED WOOD ADHESIVES MARKET SIZE ESTIMATION, BY REGION	50
2.3	MARKET FORECAST APPROACH	50
2.3.1	SUPPLY-SIDE FORECAST	50
FIGURE 8	ENGINEERED WOOD ADHESIVES MARKET: SUPPLY-SIDE FORECAST	50
2.3.2	DEMAND-SIDE FORECAST	51
FIGURE 9	ENGINEERED WOOD ADHESIVES MARKET: DEMAND-SIDE FORECAST	51
FIGURE 10	METHODOLOGY FOR SUPPLY-SIDE SIZING OF ENGINEERED WOOD ADHESIVES MARKET	51
2.4	FACTOR ANALYSIS	52
FIGURE 11	MAJOR FACTORS RESPONSIBLE FOR GLOBAL RECESSION AND THEIR IMPACT ON MARKET	52
2.5	DATA TRIANGULATION	52
FIGURE 12	ENGINEERED WOOD ADHESIVES MARKET: DATA TRIANGULATION	53
2.6	ASSUMPTIONS	53
2.7	LIMITATIONS	54
2.8	GROWTH FORECAST	54
2.9	RISK ASSESSMENT	55
TABLE 2	ENGINEERED WOOD ADHESIVES MARKET: RISK ASSESSMENT	55
2.10	RECESSION IMPACT ANALYSIS	55
3	EXECUTIVE SUMMARY	56
TABLE 3	ENGINEERED WOOD ADHESIVES MARKET SNAPSHOT (2024 VS. 2029)	57
FIGURE 13	MELAMINE FORMALDEHYDE TO BE LARGEST RESIN SEGMENT IN ENGINEERED WOOD ADHESIVES MARKET	57
FIGURE 14	PLYWOOD TO DOMINATE OVERALL MARKET DURING FORECAST PERIOD	58
FIGURE 15	MEDIUM DENSITY FIBERBOARD TO DOMINATE MARKET DURING FORECAST PERIOD	58
FIGURE 16	NON-STRUCTURAL APPLICATION TO ACCOUNT FOR LARGER SHARE OF ENGINEERED WOOD ADHESIVES MARKET	59
FIGURE 17	ASIA PACIFIC TO RECORD HIGHEST CAGR DURING FORECAST PERIOD	60
4	PREMIUM INSIGHTS	61
4.1	ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN ENGINEERED WOOD ADHESIVES MARKET	61
FIGURE 18	EMERGING ECONOMIES TO OFFER LUCRATIVE GROWTH OPPORTUNITIES FOR MARKET PLAYERS	61
4.2	ENGINEERED WOOD ADHESIVES MARKET, BY RESIN	61
FIGURE 19	MELAMINE FORMALDEHYDE SEGMENT TO DOMINATE MARKET DURING FORECAST PERIOD	61
4.3	ENGINEERED WOOD ADHESIVES MARKET IN ASIA PACIFIC, BY RESIN TYPE AND COUNTRY	62
FIGURE 20	CHINA ACCOUNTED FOR LARGEST SHARE OF ENGINEERED WOOD ADHESIVES MARKET IN ASIA PACIFIC	62
4.4	ENGINEERED WOOD ADHESIVES MARKET, DEVELOPED VS. EMERGING ECONOMIES	62
FIGURE 21	EMERGING COUNTRIES TO REGISTER HIGHER GROWTH DURING FORECAST PERIOD	62
4.5	ENGINEERED WOOD ADHESIVES MARKET, BY KEY COUNTRIES	63
FIGURE 22	INDIA TO RECORD HIGHEST GROWTH DURING FORECAST PERIOD	63
?		
5	MARKET OVERVIEW	64
5.1	INTRODUCTION	64
5.2	TYPES OF ADHESIVES USED IN MODERN WOOD PRODUCTS	65
5.3	ENGINEERED WOOD ADHESIVE PROJECTS	66
5.4	KEY EMERGING ECONOMIES VS. EU27 AND US	67
FIGURE 23	AVERAGE CHEMICAL PRODUCTION GROWTH PER ANNUM (2011-2021)	67

5.5 MARKET DYNAMICS 68

FIGURE 24 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES IN ENGINEERED WOOD ADHESIVES MARKET 68

5.5.1 DRIVERS 68

5.5.1.1 Growth of building & construction industry in emerging economies 68

5.5.1.2 Increasing urban population 69

5.5.1.3 Rising demand in North America 69

5.5.1.4 Capacity expansion to cater to increasing demand 70

5.5.2 RESTRAINTS 70

5.5.2.1 Volatility in raw material prices 70

5.5.3 OPPORTUNITIES 71

5.5.3.1 Establishing authenticity through various certifications 71

5.5.3.2 Rising demand for sustainable infrastructure 71

5.5.4 CHALLENGES 72

5.5.4.1 Shifting rules and changing standards 72

5.6 PORTER'S FIVE FORCES ANALYSIS 72

TABLE 4 ENGINEERED WOOD ADHESIVES MARKET: PORTER'S FIVE FORCES ANALYSIS 72

FIGURE 25 PORTER'S FIVE FORCES ANALYSIS: ENGINEERED WOOD ADHESIVES MARKET 73

5.6.1 THREAT FROM NEW ENTRANTS 73

5.6.2 THREAT OF SUBSTITUTES 73

5.6.3 BARGAINING POWER OF BUYERS 74

5.6.4 BARGAINING POWER OF SUPPLIERS 74

5.6.5 INTENSITY OF COMPETITIVE RIVALRY 74

5.7 KEY STAKEHOLDERS AND BUYING CRITERIA 75

5.7.1 KEY STAKEHOLDERS IN BUYING PROCESS 75

FIGURE 26 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS 75

TABLE 5 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP APPLICATIONS (%) 75

5.7.2 BUYING CRITERIA 76

FIGURE 27 KEY BUYING CRITERIA FOR ENGINEERED WOOD ADHESIVES 76

TABLE 6 KEY BUYING CRITERIA FOR ENGINEERED WOOD ADHESIVES 76

5.8 MACROECONOMIC INDICATORS 77

5.8.1 INTRODUCTION 77

5.8.2 GDP TRENDS AND FORECAST 77

TABLE 7 GDP TRENDS AND FORECAST, PERCENTAGE CHANGE (2020-2027) 77

5.8.3 TRENDS IN GLOBAL CONSTRUCTION INDUSTRY 78

5.9 SUPPLY CHAIN ANALYSIS 79

FIGURE 28 ENGINEERED WOOD ADHESIVES MARKET: SUPPLY CHAIN ANALYSIS 79

5.10 PRICING ANALYSIS 79

5.10.1 AVERAGE SELLING PRICE TREND, BY REGION 80

FIGURE 29 AVERAGE SELLING PRICE TREND OF ENGINEERED WOOD ADHESIVES, BY REGION, 2021-2024 80

TABLE 8 AVERAGE SELLING PRICE OF ENGINEERED WOOD ADHESIVES, BY REGION, 2022-2023 (USD/KG) 80

5.10.2 AVERAGE SELLING PRICE TREND, BY RESIN TYPE 80

FIGURE 30 AVERAGE SELLING PRICE TREND OF ENGINEERED WOOD ADHESIVES, BY RESIN TYPE (2023) 80

5.10.3 AVERAGE SELLING PRICE TREND, BY STRUCTURAL PRODUCT 81

FIGURE 31 AVERAGE SELLING PRICE TREND OF ENGINEERED WOOD ADHESIVES, BY STRUCTURAL PRODUCT (2023) 81

5.10.4 AVERAGE SELLING PRICE TREND, BY NON-STRUCTURAL PRODUCT 81

FIGURE 32 AVERAGE SELLING PRICE TREND OF ENGINEERED WOOD ADHESIVES, BY NON-STRUCTURAL PRODUCT (2023) 81

5.10.5 AVERAGE SELLING PRICE TREND, BY APPLICATION 82

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

FIGURE 33	AVERAGE SELLING PRICE TREND OF ENGINEERED WOOD ADHESIVES, BY APPLICATION (2023)	82
5.10.6	AVERAGE SELLING PRICE TREND OF KEY PLAYERS, BY APPLICATION	82
FIGURE 34	AVERAGE SELLING PRICE TREND OF KEY PLAYERS, BY APPLICATION	82
TABLE 9	AVERAGE SELLING PRICE TREND OF KEY PLAYERS, BY TOP APPLICATIONS, 2023 (USD/KG)	82
5.11	TRADE ANALYSIS	83
5.11.1	EXPORT SCENARIO	83
FIGURE 35	REGION-WISE EXPORT DATA, 2019-2023 (USD THOUSAND)	83
TABLE 10	COUNTRY-WISE EXPORT DATA, 2021-2023 (USD THOUSAND)	83
5.11.2	IMPORT SCENARIO	86
FIGURE 36	REGION-WISE IMPORT DATA, 2019-2023 (USD THOUSAND)	86
TABLE 11	COUNTRY-WISE IMPORT DATA, 2021-2023 (USD THOUSAND)	86
5.12	REGULATORY LANDSCAPE AND STANDARDS	89
5.12.1	REGULATIONS IMPACTING ENGINEERED WOOD ADHESIVES BUSINESS	89
TABLE 12	EMISSION LIMITS FOR ENGINEERED WOOD PRODUCTS	89
5.12.1.1	Frequent questions asked	89
5.12.2	WOOD MANUFACTURING REGULATIONS	91
5.12.3	ENVIRONMENTAL REGULATIONS FOR WOOD MANUFACTURING	91
5.12.3.1	Clean Air Act	92
5.12.3.2	Clean Water Act	92
5.12.3.3	Toxic Substances Control Act (TSCA)	92
5.12.4	REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	93
TABLE 13	NORTH AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	93
TABLE 14	EUROPE: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	94
TABLE 15	ASIA PACIFIC: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	94
5.13	ECOSYSTEM/MARKET MAP	95
TABLE 16	ENGINEERED WOOD ADHESIVES MARKET: ROLE IN ECOSYSTEM	95
FIGURE 37	ENGINEERED WOOD ADHESIVES MARKET: ECOSYSTEM MAPPING	96
FIGURE 38	ENGINEERED WOOD ADHESIVES: ECOSYSTEM ANALYSIS	96
5.14	TRENDS AND DISRUPTIONS IMPACTING CUSTOMER BUSINESS	97
FIGURE 39	TRENDS IN END-USE INDUSTRIES IMPACTING BUSINESS OF ENGINEERED WOOD ADHESIVE MANUFACTURERS	97
5.15	INVESTMENT AND FUNDING SCENARIO	97
TABLE 17	INVESTMENT AND FUNDING SCENARIO	98
5.16	PATENT ANALYSIS	99
5.16.1	METHODOLOGY	99
5.16.2	PUBLICATION TRENDS	99
FIGURE 40	PUBLISHED PATENTS, 2019-2023	99
5.16.3	JURISDICTION ANALYSIS	100
FIGURE 41	PATENTS PUBLISHED BY JURISDICTION, 2019-2023	100
5.16.4	TOP APPLICANTS	100
FIGURE 42	PATENTS PUBLISHED BY MAJOR APPLICANTS, 2019-2023	100
TABLE 18	TOP PATENT OWNERS	101
FIGURE 43	TOP PATENT APPLICANTS	102
5.17	TECHNOLOGY ANALYSIS	102
5.17.1	KEY TECHNOLOGIES	103
5.17.1.1	Melamine formaldehyde	103
5.17.1.2	Phenol resorcinol formaldehyde	104
5.17.2	COMPLIMENTARY TECHNOLOGIES	104

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

5.17.2.1	Polyurethane	104
5.17.3	ADJACENT TECHNOLOGIES	105
5.17.3.1	Dowel-laminated timber	105
5.17.3.2	Mechanical fasteners	105
5.18	GLOBAL ECONOMIC SCENARIO AFFECTING MARKET GROWTH	106
5.18.1	RUSSIA-UKRAINE WAR	106
5.18.2	CHINA	106
5.18.2.1	Decreasing FDI cooling China's growth trajectory	106
5.18.2.2	Environmental commitments	107
5.18.3	EUROPE	107
5.18.3.1	Energy crisis in Europe	107
5.18.4	CHOKEPOINTS THREATENING GLOBAL TRADE	107
5.18.5	OUTLOOK FOR CHEMICAL INDUSTRY	109
5.19	CASE STUDY ANALYSIS	110
5.19.1	CASE STUDY 1	110
5.19.2	CASE STUDY 2	110
5.19.3	CASE STUDY 3	110
5.20	KEY CONFERENCES AND EVENTS	111
TABLE 19	ENGINEERED WOOD ADHESIVES MARKET: KEY CONFERENCES AND EVENTS, 2024-2025	111
6	ENGINEERED WOOD ADHESIVES MARKET, BY RESIN TYPE	112
6.1	INTRODUCTION	113
FIGURE 44	MELAMINE FORMALDEHYDE TO ACCOUNT FOR LARGEST SHARE OF ENGINEERED WOOD ADHESIVES MARKET	114
TABLE 20	ENGINEERED WOOD ADHESIVES MARKET, BY RESIN TYPE, 2021-2029 (USD MILLION)	114
TABLE 21	ENGINEERED WOOD ADHESIVES MARKET, BY RESIN TYPE, 2021-2029 (KILOTON)	114
6.2	MELAMINE FORMALDEHYDE	115
6.2.1	UREA	115
6.2.1.1	Superior bond and cost-effectiveness boosting demand	115
6.2.2	MELAMINE UREA FORMALDEHYDE	116
6.2.2.1	High performance and cost-efficiency to boost demand	116
TABLE 22	MELAMINE FORMALDEHYDE: ENGINEERED WOOD ADHESIVES MARKET, BY REGION, 2021-2029 (USD MILLION)	117
TABLE 23	MELAMINE FORMALDEHYDE: ENGINEERED WOOD ADHESIVES MARKET, BY REGION, 2021-2029 (KILOTON)	117
6.3	PHENOL RESORCINOL FORMALDEHYDE	117
6.3.1	ENHANCED DURABILITY AND STABILITY TO DRIVE DEMAND	117
TABLE 24	PHENOL RESORCINOL FORMALDEHYDE: ENGINEERED WOOD ADHESIVES MARKET, BY REGION, 2021-2029 (USD MILLION)	118
TABLE 25	PHENOL RESORCINOL FORMALDEHYDE: ENGINEERED WOOD ADHESIVES MARKET, BY REGION, 2021-2029 (KILOTON)	118
6.4	POLYURETHANE	119
6.4.1	ROBUST FLEXIBILITY AND EXCELLENT MOISTURE RESISTANCE TO FUEL DEMAND	119
TABLE 26	POLYURETHANE: ENGINEERED WOOD ADHESIVES MARKET, BY REGION, 2021-2029 (USD MILLION)	119
TABLE 27	POLYURETHANE: ENGINEERED WOOD ADHESIVES MARKET, BY REGION, 2021-2029 (KILOTON)	120
6.5	OTHER RESIN TYPES	120
TABLE 28	OTHER RESIN TYPES: ENGINEERED WOOD ADHESIVES MARKET, BY REGION, 2021-2029 (USD MILLION)	121
TABLE 29	OTHER RESIN TYPES: ENGINEERED WOOD ADHESIVES MARKET, BY REGION, 2021-2029 (KILOTON)	121
7	ENGINEERED WOOD ADHESIVES MARKET, BY PRODUCT	122
7.1	INTRODUCTION	123
FIGURE 45	PLYWOOD TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD	124

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

FIGURE 46	MEDIUM DENSITY FIBERBOARD TO LEAD MARKET IN NON-STRUCTURAL PRODUCT SEGMENT	124
TABLE 30	ENGINEERED WOOD ADHESIVES MARKET, BY PRODUCT (STRUCTURAL), 2021-2029 (USD MILLION)	124
TABLE 31	ENGINEERED WOOD ADHESIVES MARKET, BY PRODUCT (STRUCTURAL), 2021-2029 (KILOTON)	125
TABLE 32	ENGINEERED WOOD ADHESIVES MARKET, BY PRODUCT (NON-STRUCTURAL), 2021-2029 (USD MILLION)	125
TABLE 33	ENGINEERED WOOD ADHESIVES MARKET, BY PRODUCT (NON-STRUCTURAL), 2021-2029 (KILOTON)	125
7.1.1	STRUCTURAL	126
7.1.1.1	Plywood	126
7.1.1.1.1	Prominent usage in multiple construction activities to fuel demand	126
7.1.1.2	Oriented strand board	126
7.1.1.2.1	Versatile properties suitable for structural applications to drive market	126
7.1.1.3	Other structural products	127
7.1.1.3.1	Cross-laminated timber	127
7.1.1.3.2	Glulam	128
7.1.1.3.3	Laminated veneer lumber	128
TABLE 34	PLYWOOD: ENGINEERED WOOD ADHESIVES MARKET, BY REGION, 2021-2029 (USD MILLION)	129
TABLE 35	PLYWOOD: ENGINEERED WOOD ADHESIVES MARKET, BY REGION, 2021-2029 (KILOTON)	129
TABLE 36	ORIENTED STRAND BOARD: ENGINEERED WOOD ADHESIVES MARKET, BY REGION, 2021-2029 (USD MILLION)	130
TABLE 37	ORIENTED STRAND BOARD: ENGINEERED WOOD ADHESIVES MARKET, BY REGION, 2021-2029 (KILOTON)	130
TABLE 38	OTHER STRUCTURAL PRODUCTS: ENGINEERED WOOD ADHESIVES MARKET, BY REGION, 2021-2029 (USD MILLION)	130
TABLE 39	OTHER STRUCTURAL PRODUCTS: ENGINEERED WOOD ADHESIVES MARKET, BY REGION, 2021-2029 (KILOTON)	131
7.1.2	NON-STRUCTURAL	131
7.1.2.1	Medium density fiberboard	131
7.1.2.1.1	Structural stability and strength to drive demand	131
7.1.2.2	Particle board	132
7.1.2.2.1	Furniture and construction industries to drive market	132
7.1.3	OTHERS	132
TABLE 40	MEDIUM DENSITY FIBERBOARD: ENGINEERED WOOD ADHESIVES MARKET, BY REGION, 2021-2029 (USD MILLION)	133
TABLE 41	MEDIUM DENSITY FIBERBOARD: ENGINEERED WOOD ADHESIVES MARKET, BY REGION, 2021-2029 (KILOTON)	133
TABLE 42	PARTICLE BOARD: ENGINEERED WOOD ADHESIVES MARKET, BY REGION, 2021-2029 (USD MILLION)	134
TABLE 43	PARTICLE BOARD: ENGINEERED WOOD ADHESIVES MARKET, BY REGION, 2021-2029 (KILOTON)	134
TABLE 44	OTHER NON-STRUCTURAL PRODUCTS: ENGINEERED WOOD ADHESIVES MARKET, BY REGION, 2021-2029 (USD MILLION)	134
TABLE 45	OTHER NON-STRUCTURAL PRODUCTS: ENGINEERED WOOD ADHESIVES MARKET, BY REGION, 2021-2029 (KILOTON)	135
8	ENGINEERED WOOD ADHESIVES MARKET, BY TECHNOLOGY	136
8.1	INTRODUCTION	137
8.2	SOLVENT-BASED	137
8.2.1	ROBUST PERFORMANCE AND HIGH STRENGTH TO DRIVE DEMAND	137
8.3	WATER-BASED	138
8.3.1	EMERGING ECONOMIES TO FUEL DEMAND FOR WATER-BASED ADHESIVES	138
8.4	SOLVENT-LESS	139
8.4.1	GROWING DEMAND FROM CONSTRUCTION SECTOR TO DRIVE MARKET	139
8.5	REACTIVE TECHNOLOGY	140
8.5.1	EPOXY	141
8.5.1.1	Resistant to moisture and UV light to fuel demand	141
8.5.2	POLYURETHANE	142
8.5.2.1	High durability and structural integrity to support market growth	142
8.5.3	CYANOACRYLATE	142

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

8.5.3.1	Minimal clamp time and durable adhesive to drive demand	142
8.5.4	POLYISOCYANATE	143
8.5.4.1	Structural integrity and longevity to drive market	143
9	ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION	144
9.1	INTRODUCTION	145
FIGURE 47	NON-STRUCTURAL SEGMENT TO DOMINATE OVERALL ENGINEERED WOOD ADHESIVES MARKET	146
TABLE 46	ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION)	146
TABLE 47	ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON)	146
9.2	STRUCTURAL	147
9.2.1	STRUCTURAL APPLICATION TO REGISTER HIGH GROWTH RATE DURING FORECAST PERIOD	147
TABLE 48	STRUCTURAL: ENGINEERED WOOD ADHESIVES MARKET, BY REGION, 2021-2029 (USD MILLION)	148
TABLE 49	STRUCTURAL: ENGINEERED WOOD ADHESIVES MARKET, BY REGION, 2021-2029 (KILOTON)	148
9.3	NON-STRUCTURAL	148
9.3.1	AESTHETIC ADAPTABILITY AND COST-EFFECTIVENESS DRIVING DEMAND IN NON-STRUCTURAL APPLICATIONS	148
TABLE 50	NON-STRUCTURAL: ENGINEERED WOOD ADHESIVES MARKET, BY REGION, 2021-2029 (USD MILLION)	149
TABLE 51	NON-STRUCTURAL: ENGINEERED WOOD ADHESIVES MARKET, BY REGION, 2021-2029 (KILOTON)	149
10	ENGINEERED WOOD ADHESIVES MARKET, BY REGION	150
10.1	INTRODUCTION	151
TABLE 52	GLOBAL CONSTRUCTION OUTLOOK	152
FIGURE 48	SHARE OF BUILDINGS IN TOTAL FINAL ENERGY CONSUMPTION IN 2022	153
FIGURE 49	SHARE OF BUILDINGS IN TOTAL FINAL ENERGY CONSUMPTION IN 2022	153
FIGURE 50	ASIA PACIFIC TO REGISTER HIGHEST CAGR FOR ENGINEERED WOOD ADHESIVES BETWEEN 2024 AND 2029	154
TABLE 53	ENGINEERED WOOD ADHESIVES MARKET, BY REGION, 2021-2029 (USD MILLION)	154
TABLE 54	ENGINEERED WOOD ADHESIVES MARKET, BY REGION, 2021-2029 (KILOTON)	154
10.2	NORTH AMERICA	155
TABLE 55	NORTH AMERICA: SUMMARY TABLE OF MARKET FORECASTS FOR 2023 AND 2024	155
10.2.1	RECESSION IMPACT	156
FIGURE 51	NORTH AMERICA: ENGINEERED WOOD ADHESIVES MARKET SNAPSHOT	157
TABLE 56	NORTH AMERICA: ENGINEERED WOOD ADHESIVES MARKET, BY COUNTRY, 2021-2029 (USD MILLION)	158
TABLE 57	NORTH AMERICA: ENGINEERED WOOD ADHESIVES MARKET, BY COUNTRY, 2021-2029 (KILOTON)	158
TABLE 58	NORTH AMERICA: ENGINEERED WOOD ADHESIVES MARKET, BY RESIN TYPE, 2021-2029 (USD MILLION)	158
TABLE 59	NORTH AMERICA: ENGINEERED WOOD ADHESIVES MARKET, BY RESIN TYPE, 2021-2029 (KILOTON)	159
TABLE 60	NORTH AMERICA: ENGINEERED WOOD ADHESIVES MARKET, BY PRODUCT (STRUCTURAL), 2021-2029 (USD MILLION)	159
TABLE 61	NORTH AMERICA: ENGINEERED WOOD ADHESIVES MARKET, BY PRODUCT (STRUCTURAL), 2021-2029 (KILOTON)	159
TABLE 62	NORTH AMERICA: ENGINEERED WOOD ADHESIVES MARKET, BY PRODUCT (NON-STRUCTURAL), 2021-2029 (USD MILLION)	160
TABLE 63	NORTH AMERICA: ENGINEERED WOOD ADHESIVES MARKET, BY PRODUCT (NON-STRUCTURAL), 2021-2029 (KILOTON)	160
TABLE 64	NORTH AMERICA: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION)	160
TABLE 65	NORTH AMERICA: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON)	160
10.2.2	US	161
10.2.2.1	Presence of major manufacturers to drive market	161
TABLE 66	US: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION)	163
TABLE 67	US: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON)	163
?		
10.2.3	CANADA	163
10.2.3.1	Residential construction to drive market	163
TABLE 68	CANADA: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION)	164

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

TABLE 69	CANADA: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON)	165
10.2.4	MEXICO	165
10.2.4.1	Investments in infrastructure, energy, and commercial construction projects to drive market	165
TABLE 70	MEXICO: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION)	166
TABLE 71	MEXICO: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON)	166
10.3	EUROPE	166
10.3.1	RECESSION IMPACT	168
FIGURE 52	EUROPE: ENGINEERED WOOD ADHESIVES MARKET SNAPSHOT	169
TABLE 72	EUROPE: ENGINEERED WOOD ADHESIVES MARKET, BY COUNTRY, 2021-2029 (USD MILLION)	170
TABLE 73	EUROPE: ENGINEERED WOOD ADHESIVES MARKET, BY COUNTRY 2021-2029 (KILOTON)	170
TABLE 74	EUROPE: ENGINEERED WOOD ADHESIVES MARKET, BY RESIN TYPE, 2021-2029 (USD MILLION)	171
TABLE 75	EUROPE: ENGINEERED WOOD ADHESIVES MARKET, BY RESIN TYPE, 2021-2029 (KILOTON)	171
TABLE 76	EUROPE: ENGINEERED WOOD ADHESIVES MARKET, BY PRODUCT (STRUCTURAL), 2021-2029 (USD MILLION)	171
TABLE 77	EUROPE: ENGINEERED WOOD ADHESIVES MARKET, BY PRODUCT (STRUCTURAL), 2021-2029 (KILOTON)	172
TABLE 78	EUROPE: ENGINEERED WOOD ADHESIVES MARKET, BY PRODUCT (NON-STRUCTURAL), 2021-2029 (USD MILLION)	172
TABLE 79	EUROPE: ENGINEERED WOOD ADHESIVES MARKET, BY PRODUCT (NON-STRUCTURAL), 2021-2029 (KILOTON)	172
TABLE 80	EUROPE: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION)	172
TABLE 81	EUROPE: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON)	173
10.3.2	GERMANY	173
10.3.2.1	Infrastructure enhancement and high for commercial projects upthrust the demand	173
TABLE 82	GERMANY: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION)	174
TABLE 83	GERMANY: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON)	174
10.3.3	AUSTRIA	174
10.3.3.1	Resurgence of wooden commercial projects to drive demand	174
TABLE 84	AUSTRIA: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION)	175
TABLE 85	AUSTRIA: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON)	176
10.3.4	SWITZERLAND	176
10.3.4.1	High R&D investments and economic growth propelling demand	176
TABLE 86	CONSTRUCTION AND HOUSING KEY FIGURES	177
TABLE 87	SWITZERLAND: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION)	177
TABLE 88	SWITZERLAND: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON)	178
10.3.5	ITALY	178
10.3.5.1	High disposable income and rising FII investments	178
TABLE 89	ITALY: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION)	178
TABLE 90	ITALY: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON)	179
10.3.6	UK	179
10.3.6.1	Growing construction sector to boost demand	179
TABLE 91	UK: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION)	181
TABLE 92	UK: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON)	181
10.3.7	FRANCE	181
10.3.7.1	Population growth to generate demand for residential construction to increase demand	181
TABLE 93	FRANCE: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION)	182
TABLE 94	FRANCE: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON)	182
10.3.8	TURKEY	182
10.3.8.1	Recovery of construction industry to increase demand	182
TABLE 95	TURKEY: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION)	183
TABLE 96	TURKEY: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON)	183

10.3.9 DENMARK 184

10.3.9.1 Strong infrastructure growth to support demand 184

TABLE 97 DENMARK: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION) 185

TABLE 98 DENMARK: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON) 185

10.3.10 NORWAY 185

10.3.10.1 Green building projects and stricter building codes to increase demand 185

TABLE 99 NORWAY: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION) 186

TABLE 100 NORWAY: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON) 187

10.3.11 SWEDEN 187

10.3.11.1 Strategic public-private partnership projects across country to drive market 187

TABLE 101 SWEDEN: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION) 188

TABLE 102 SWEDEN: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON) 188

10.3.12 FINLAND 188

10.3.12.1 Rising residential construction to increase demand 188

TABLE 103 FINLAND: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION) 189

TABLE 104 FINLAND: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON) 189

10.3.13 SLOVAKIA 189

10.3.13.1 Economic recovery and rising investment to stabilize demand 189

TABLE 105 SLOVAKIA: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION) 190

TABLE 106 SLOVAKIA: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON) 190

10.3.14 CZECH REPUBLIC 190

10.3.14.1 Moderate growth and residential housing sector recovery hold demand 190

TABLE 107 CZECH REPUBLIC: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION) 191

TABLE 108 CZECH REPUBLIC: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON) 191

10.3.15 REST OF EUROPE 192

TABLE 109 REST OF EUROPE: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION) 192

TABLE 110 REST OF EUROPE: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON) 192

10.4 ASIA PACIFIC 193

10.4.1 RECESSION IMPACT 194

FIGURE 53 ASIA PACIFIC: ENGINEERED WOOD ADHESIVES MARKET SNAPSHOT 195

TABLE 111 ASIA PACIFIC: ENGINEERED WOOD ADHESIVES MARKET, BY COUNTRY, 2021-2029 (USD MILLION) 196

TABLE 112 ASIA PACIFIC: ENGINEERED WOOD ADHESIVES MARKET, BY COUNTRY 2021-2029 (KILOTON) 196

TABLE 113 ASIA PACIFIC: ENGINEERED WOOD ADHESIVES MARKET, BY RESIN TYPE, 2021-2029 (USD MILLION) 197

TABLE 114 ASIA PACIFIC: ENGINEERED WOOD ADHESIVES MARKET, BY RESIN TYPE, 2021-2029 (KILOTON) 197

TABLE 115 ASIA PACIFIC: ENGINEERED WOOD ADHESIVES MARKET, BY PRODUCT (STRUCTURAL), 2021-2029 (USD MILLION) 197

TABLE 116 ASIA PACIFIC: ENGINEERED WOOD ADHESIVES MARKET, BY PRODUCT (STRUCTURAL), 2021-2029 (KILOTON) 198

TABLE 117 ASIA PACIFIC: ENGINEERED WOOD ADHESIVES MARKET, BY PRODUCT (NON-STRUCTURAL), 2021-2029 (USD MILLION) 198

TABLE 118 ASIA PACIFIC: ENGINEERED WOOD ADHESIVES MARKET, BY PRODUCT (NON-STRUCTURAL), 2021-2029 (KILOTON) 198

TABLE 119 ASIA PACIFIC: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION) 198

TABLE 120 ASIA PACIFIC: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON) 199

10.4.2 CHINA 199

10.4.2.1 Significant increase in investments in real estate and non-residential construction to boost market 199

TABLE 121 CHINA: TIMBER PRODUCTION BY PROVINCE, 2020-2021 200

TABLE 122 CHINA: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION) 202

TABLE 123 CHINA: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON) 202

10.4.3 INDIA 203

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

10.4.3.1	Emerging economy and rising FDI investment to drive market	203
TABLE 124	INDIA: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION)	206
TABLE 125	INDIA: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON)	207
10.4.4	JAPAN	207
10.4.4.1	Investments by government in commercial and reconstruction to boost demand	207
FIGURE 54	WOOD SUPPLY IN JAPAN (BY COUNTRY)	208
TABLE 126	JAPAN: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION)	208
TABLE 127	JAPAN: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON)	208
10.4.5	SOUTH KOREA	209
10.4.5.1	Significant expenditure on construction projects to increase demand	209
TABLE 128	SOUTH KOREA: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION)	210
TABLE 129	SOUTH KOREA: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON)	210
10.4.6	INDONESIA	210
10.4.6.1	Rising consumer spending and growing construction industry to boost market	210
TABLE 130	INDONESIA: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION)	211
TABLE 131	INDONESIA: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON)	211
10.4.7	THAILAND	211
10.4.7.1	Enhancing tourism, stabilizing private consumption, and boosting public investment to boost market	211
TABLE 132	THAILAND: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION)	212
TABLE 133	THAILAND: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON)	212
10.4.8	MALAYSIA	212
10.4.8.1	Sustaining domestic demand and rising exports to boost market	212
TABLE 134	MALAYSIA: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION)	213
TABLE 135	MALAYSIA: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON)	213
10.4.9	AUSTRALIA AND NEW ZEALAND	213
10.4.9.1	Sustainable construction to uphold demand	213
TABLE 136	AUSTRALIA: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION)	214
TABLE 137	AUSTRALIA: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON)	214
10.4.10	REST OF ASIA PACIFIC	215
TABLE 138	REST OF ASIA PACIFIC: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION)	215
TABLE 139	REST OF ASIA PACIFIC: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON)	215
10.5	REST OF THE WORLD	215
10.5.1	RECESSION IMPACT	217
FIGURE 55	BRAZIL TO REGISTER HIGHEST CAGR BETWEEN 2024 AND 2029	218
TABLE 140	REST OF THE WORLD: ENGINEERED WOOD ADHESIVES MARKET, BY COUNTRY, 2021-2029 (USD MILLION)	218
TABLE 141	REST OF THE WORLD: ENGINEERED WOOD ADHESIVES MARKET, BY COUNTRY, 2021-2029 (KILOTON)	218
TABLE 142	REST OF THE WORLD: ENGINEERED WOOD ADHESIVES MARKET, BY RESIN TYPE, 2021-2029 (USD MILLION)	219
TABLE 143	REST OF THE WORLD: ENGINEERED WOOD ADHESIVES MARKET, BY RESIN TYPE, 2021-2029 (KILOTON)	219
TABLE 144	REST OF THE WORLD: ENGINEERED WOOD ADHESIVES MARKET, BY PRODUCT (STRUCTURAL), 2021-2029 (USD MILLION)	219
TABLE 145	REST OF THE WORLD: ENGINEERED WOOD ADHESIVES MARKET, BY PRODUCT (STRUCTURAL), 2021-2029 (KILOTON)	220
TABLE 146	REST OF THE WORLD: ENGINEERED WOOD ADHESIVES MARKET, BY PRODUCT (NON-STRUCTURAL), 2021-2029 (USD MILLION)	220
TABLE 147	REST OF THE WORLD: ENGINEERED WOOD ADHESIVES MARKET, BY PRODUCT (NON-STRUCTURAL), 2021-2029 (KILOTON)	220
TABLE 148	REST OF THE WORLD: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION)	220

TABLE 149 □ REST OF THE WORLD: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON) □ 221

10.5.2 □ BRAZIL □ 221

10.5.2.1 □ Easy availability of raw materials to propel market growth □ 221

TABLE 150 □ BRAZIL: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION) □ 221

TABLE 151 □ BRAZIL: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON) □ 222

?

10.5.3 □ ARGENTINA □ 222

10.5.3.1 □ Increase in population and improved economic conditions to drive demand □ 222

TABLE 152 □ ARGENTINA: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION) □ 222

TABLE 153 □ ARGENTINA: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON) □ 223

10.5.4 □ SOUTH AFRICA □ 223

10.5.4.1 □ Growing building projects to increase demand □ 223

TABLE 154 □ SOUTH AFRICA: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION) □ 224

TABLE 155 □ SOUTH AFRICA: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON) □ 224

10.5.5 □ OTHER COUNTRIES □ 224

TABLE 156 □ OTHER COUNTRIES: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (USD MILLION) □ 225

TABLE 157 □ OTHER COUNTRIES: ENGINEERED WOOD ADHESIVES MARKET, BY APPLICATION, 2021-2029 (KILOTON) □ 225

11 □ COMPETITIVE LANDSCAPE □ 226

11.1 □ KEY PLAYER STRATEGIES □ 226

11.1.1 □ BY KEY PLAYERS STRATEGIES/RIGHT TO WIN, (JANUARY 2018

TO DECEMBER 2023) □ 226

TABLE 158 □ OVERVIEW OF STRATEGIES ADOPTED BY KEY MARKET PLAYERS

(JANUARY 2018 TO DECEMBER 2023) □ 226

11.2 □ MARKET SHARE ANALYSIS □ 228

FIGURE 56 □ MARKET SHARE ANALYSIS, 2023 □ 228

TABLE 159 □ ENGINEERED WOOD ADHESIVES MARKET: DEGREE OF COMPETITION □ 228

11.2.1 □ MARKET RANKING ANALYSIS □ 230

FIGURE 57 □ MARKET RANKING ANALYSIS, 2023 □ 230

11.3 □ TOP 5 PLAYERS' REVENUE ANALYSIS □ 231

FIGURE 58 □ MARKET REVENUE ANALYSIS OF TOP FIVE PLAYERS □ 231

11.4 □ COMPANY VALUATION AND FINANCIAL METRICS, 2023 □ 231

11.4.1 □ COMPANY VALUATION □ 231

FIGURE 59 □ COMPANY VALUATION □ 231

11.4.2 □ FINANCIAL METRICS □ 232

FIGURE 60 □ FINANCIAL METRICS □ 232

11.5 □ BRAND/PRODUCT COMPARATIVE ANALYSIS □ 233

11.5.1 □ BRAND/PRODUCT COMPARATIVE ANALYSIS □ 233

FIGURE 61 □ BRAND/PRODUCT COMPARATIVE ANALYSIS □ 233

11.6 □ COMPANY EVALUATION MATRIX: KEY PLAYERS, 2023 □ 234

11.6.1 □ STARS □ 234

11.6.2 □ EMERGING LEADERS □ 234

11.6.3 □ PERVASIVE PLAYERS □ 234

11.6.4 □ PARTICIPANTS □ 234

FIGURE 62 □ ENGINEERED WOOD ADHESIVES MARKET: COMPANY EVALUATION MATRIX, KEY PLAYERS, 2023 □ 235

FIGURE 63 □ PRODUCT FOOTPRINT (25 COMPANIES) □ 236

11.6.5 □ COMPANY FOOTPRINT: KEY PLAYERS □ 237

TABLE 160 □ COMPANY FOOTPRINT (25 COMPANIES) □ 237

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

TABLE 161	REGION FOOTPRINT (25 COMPANIES)	238
TABLE 162	APPLICATION FOOTPRINT (25 COMPANIES)	239
TABLE 163	RESIN TYPE FOOTPRINT (25 COMPANIES)	240
TABLE 164	PRODUCT FOOTPRINT (25 COMPANIES)	241
11.7	COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2023	242
11.7.1	PROGRESSIVE COMPANIES	242
11.7.2	RESPONSIVE COMPANIES	242
11.7.3	DYNAMIC COMPANIES	242
11.7.4	STARTING BLOCKS	242
FIGURE 64	ENGINEERED WOOD ADHESIVES MARKET: COMPANY EVALUATION MATRIX, STARTUPS/SMES, 2023	243
11.7.5	COMPETITIVE BENCHMARKING	244
11.7.5.1	Detailed list of key startups/SMEs	244
TABLE 165	ENGINEERED WOOD ADHESIVES MARKET: DETAILED LIST OF KEY STARTUPS/SMES	244
11.7.5.2	Competitive benchmarking of key startups/SMEs	244
TABLE 166	ENGINEERED WOOD ADHESIVES MARKET: COMPETITIVE BENCHMARKING OF KEY PLAYERS (STARTUPS/SMES)	244
11.8	COMPETITIVE SCENARIO AND TRENDS	245
11.8.1	ENGINEERED WOOD ADHESIVES MARKET: PRODUCT LAUNCHES, JANUARY 2018-DECEMBER 2023	245
TABLE 167	ENGINEERED WOOD ADHESIVES MARKET: PRODUCT LAUNCHES, JANUARY 2018-DECEMBER 2023	245
11.8.2	ENGINEERED WOOD ADHESIVES MARKET: DEALS, JANUARY 2018-DECEMBER 2023	245
TABLE 168	ENGINEERED WOOD ADHESIVES MARKET: DEALS, JANUARY 2018-DECEMBER 2023	245
11.8.3	ENGINEERED WOOD ADHESIVES MARKET: EXPANSIONS, JANUARY 2018-DECEMBER 2023	248
TABLE 169	ENGINEERED WOOD ADHESIVES MARKET: EXPANSIONS, JANUARY 2018-DECEMBER 2023	248

Engineered Wood Adhesives Market by Resin (Melamine Formaldehyde, Phenol Resorcinol Formaldehyde), Product (CLT, OSB, MDF, LVL), Technology (Solvent-Based, Water-Based), Application (Structural, Non-Structural), and Region - Global Forecast to 2029

Market Report | 2024-05-02 | 300 pages | MarketsandMarkets

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User	\$4950.00
	Multi User	\$6650.00
	Corporate License	\$8150.00
	Enterprise Site License	\$10000.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Zip Code*

Country*

Date

Signature