

Basalt Fiber Market by Usage (Composites, Non-Composites), End-Use Industry (Construction & Infrastructure, Automotive & Transportation, Wind Energy, Electrical & Electronics, Marine) and Region - Global Forecast to 2027

Market Report | 2022-07-12 | 165 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 basalt fiber market size is projected to grow from USD 286 million in 2022 to USD 517 million by 2027, at a CAGR of 12.5% between 2022 and 2027. This growth is estimated to continue in the coming years to meet the growing demand from end-use industries such as construction & infrastructure, automotive & transportation, electrical & electronics, and others. Construction & infrastructure is the major end-use industry of basalt fibers. Basalt fibers are ideally suited for demanding applications requiring chemical resistance, durability, mechanical strength, and low water absorption. Currently, APAC is the dominating basalt fiber market. This larger market share is attributed to the high demand from end-use industries such as automotive & transportation, construction & infrastructure, and wind energy in the region. Growing investment in the construction & infrastructure sector in the APAC region is one of the major reasons behind the growing consumption in the region. Among all the countries in this region, China is the major basalt fiber market.

However, global pandemic disease COVID-19 has forced the automotive, wind blade and aircraft manufacturers to shut down their operations which resulted into decreased demand for basalt fibers in 2020.

"Continuous form of the basalt fiber are the fastest-growing form type of basalt fiber market in terms of value."

Continuous form of basalt fibers are projected to register the highest CAGR in terms of value between 2022 and 2027. This high growth is mainly due to the growing demand from the various end-use industries across the globe due to efficient properties. The continuous form of basalt fiber is the most widely used across various end-use industries, including automotive & transportation, wind energy, marine, and construction & infrastructure, among others. Continuous basalt fibers possess characteristics, such as superior efficiency, higher tensile strength, and excellent mechanical properties.

"Composite is the fastest-growing usage form of basalt fiber, in terms of value."

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

The composite usage segment is expected to record high growth as they are widely applicable in end-use industries such as construction & infrastructure, automotive & transportation, marine, wind energy, and sporting goods, among others. When basalt is used as continuous fibers, it can lead to a new range of reinforced composites (plastic and concrete matrix). At present, basalt fiber as composites and non-composites is experiencing high demand in a number of applications such as thermal and sound insulation (basalt wool and engine insulation), pipes, bars, fittings, fabrics, structural plastics, automotive parts, concrete reinforcement (constructions), insulating plastics, and frictional materials.

"Construction & infrastructure is the fastest-growing end-use industry of basalt fiber, in terms of value."

The construction & infrastructure is expected to grow at the highest CAGR during the forecast period. Basalt fibers and basalt fiber composites are extensively used in the construction industry for their insulation properties. Also, they are durable and do not corrode like steel or decay like wood, resulting in reduced maintenance and replacement costs. Basalt fiber composite materials are slowly replacing steel in the construction industry due to their unique combination of properties including high strength to weight ratio, chemical & corrosion resistance, low thermal conductivity, and zero electrical & magnetic conduction. Basalt fibers are used in assembled houses and structures, cold floor heating plate, fire partitions, firewalls, fire doors, and for other construction applications. These fibers are used in a number of forms such as reinforced rebars, pultruded load-bearing profiles, unidirectional, biaxial & triaxial basalt fabrics, basalt reinforcing meshes, and in basalt fiber reinforced concrete in the construction & infrastructure end-use industry.

"APAC is the fastest-growing basalt fiber market."

APAC is projected to register the highest CAGR in terms of value in the global basalt fiber market during the forecast period. The growing end-use industries such as construction & infrastructure, automotive & transportation, and wind energy are driving the basalt fiber market in the region. The region has a presence of many basalt fibers and its products manufacturers.

In 2020, due to COVID-19, basalt fiber producers and numerous companies halted their production sites across various countries that has led to reduced demand for basalt fibers from the region. The recovery in the end-use industries with restoration in the supply chain is driving the basalt fiber demand during the forecast period.

This study has been validated through primary interviews conducted with various industry experts globally. These primary sources have been divided into the following three categories:

-□By Company Type- Tier 1- 40%, Tier 2- 33%, and Tier 3- 27%

-□By Designation- C Level- 50%, Director Level- 20%, and Others- 30%

-□By Region- North America- 15%, Europe- 50%, Asia Pacific (APAC) - 20%, Latin America-5%, Middle East & Africa (MEA)-10%,

The report provides a comprehensive analysis of company profiles listed below:

, Zhejiang GBF Basalt Fiber Co. (China), JFE RockFiber Corp. (Japan), Mafic SA (Ireland), Technobasalt-Invest LLC (Ukraine), Russian Basalt (Russia), ISOMATEX SA (Belgium), INCOTELOGY GmbH (Germany), Sudaglass Basalt Fiber Technology (US), Shanxi Basalt Fiber Technology Co., Ltd (China), Mudanjiang Basalt Fiber Co. (China),

-□Kamenny Vek (Russia)

-□ Zhejiang GBF Basalt Fiber Co. (China)

-□ JFE RockFiber Corp. (Japan), Mafic SA (Ireland)

-□ Technobasalt-Invest LLC (Ukraine)

-□ Russian Basalt (Russia)

-□ ISOMATEX SA (Belgium)

-□ INCOTELOGY GmbH (Germany)

-□ Sudaglass Basalt Fiber Technology (US)

-□ Shanxi Basalt Fiber Technology Co., Ltd (China)

-□ Mudanjiang Basalt Fiber Co. (China)

Research Coverage

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

This report covers the global basalt fiber market and forecasts the market size until 2027. The report includes the market segmentation - Form (Continuous, Discrete), Usage(Composites and Non-composites), End-use Industry (Construction & Infrastructure, Automotive & Transportation, Electrical & Electronics, Wind Energy, Marine, and Others) and Region (Europe, North America, APAC, Latin America, and MEA). Porter's Five Forces analysis, along with the drivers, restraints, opportunities, and challenges, are discussed in the report. It also provides company profiles and competitive strategies adopted by the major players in the global basalt fiber market.

Key benefits of buying the report:

The report will help market leaders/new entrants in this market in the following ways:

1. This report segments the global basalt fiber market comprehensively and provides the closest approximations of the revenues for the overall market and the sub-segments across different verticals and regions.
2. The report helps stakeholders understand the pulse of the basalt fiber market and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to better their position in their businesses. The competitive landscape section includes the competitor ecosystem, new product development, agreement, and acquisitions.

Reasons to buy the report:

The report will help market leaders/new entrants in this market by providing them with the closest approximations of the revenues for the overall basalt fiber market and the sub-segments. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way. The report will also help stakeholders understand the pulse of the market and provide them with information on key market drivers, restraints, challenges, and opportunities.

Table of Contents:

1	INTRODUCTION	26
1.1	OBJECTIVES OF THE STUDY	26
1.2	MARKET DEFINITION	26
1.3	MARKET SCOPE	27
1.3.1	BASALT FIBER MARKET SEGMENTATION	27
1.3.2	REGIONS COVERED	27
1.3.3	YEARS CONSIDERED FOR THE STUDY	28
1.3.4	CURRENCY	28
1.3.5	UNIT CONSIDERED	28
1.4	LIMITATIONS	28
1.5	STAKEHOLDERS	29
1.6	SUMMARY OF CHANGES	29
2	RESEARCH METHODOLOGY	30
2.1	RESEARCH DATA	30
	FIGURE 1 BASALT FIBER MARKET: RESEARCH DESIGN	30
2.1.1	SECONDARY DATA	31
2.1.2	PRIMARY DATA	31
2.1.2.1	Primary interviews - top basalt fiber manufacturers	31
2.1.2.2	Breakdown of primary interviews	32
2.1.2.3	Key industry insights	32
2.2	BASE NUMBER CALCULATION	33
2.2.1	APPROACH 1: SUPPLY-SIDE ANALYSIS	33

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

2.2.2	APPROACH 2: DEMAND-SIDE ANALYSIS	33
2.3	FORECAST NUMBER CALCULATION	34
2.3.1	SUPPLY-SIDE	34
2.3.2	DEMAND-SIDE	34
2.4	MARKET SIZE ESTIMATION	34
2.4.1	BOTTOM-UP APPROACH	34
FIGURE 2	MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH	35
2.4.2	TOP-DOWN APPROACH	35
FIGURE 3	MARKET SIZE ESTIMATION: TOP-DOWN APPROACH	35
2.5	DATA TRIANGULATION	36
FIGURE 4	BASALT FIBER MARKET: DATA TRIANGULATION	36
2.6	FACTOR ANALYSIS	37
2.7	ASSUMPTIONS	37
?		
3	EXECUTIVE SUMMARY	38
FIGURE 5	AUTOMOTIVE & TRANSPORTATION SEGMENT ACCOUNTED FOR LARGEST MARKET SHARE IN 2021	39
FIGURE 6	CONTINUOUS BASALT FIBER ACCOUNTED FOR DOMINANT SHARE OF MARKET IN 2021	39
FIGURE 7	COMPOSITES SEGMENT ACCOUNTED FOR MAXIMUM SHARE OF OVERALL BASALT FIBER MARKET IN 2021	40
FIGURE 8	ASIA PACIFIC TO REGISTER HIGHEST GROWTH IN BASALT FIBER MARKET	40
4	PREMIUM INSIGHTS	42
4.1	ATTRACTIVE OPPORTUNITIES IN BASALT FIBER MARKET	42
FIGURE 9	ASIA PACIFIC TO BE MOST PROMISING MARKET FOR BASALT FIBER	42
4.2	BASALT FIBER MARKET, BY REGION AND END-USE INDUSTRY	42
FIGURE 10	CONSTRUCTION & INFRASTRUCTURE INDUSTRY LED OVERALL BASALT FIBER MARKET IN 2021	42
4.3	BASALT FIBER MARKET, BY FORM	43
FIGURE 11	CONTINUOUS BASALT FIBER SEGMENT DOMINATED OVERALL MARKET IN 2021	43
4.4	BASALT FIBER MARKET, BY USAGE TYPE	43
FIGURE 12	COMPOSITES SEGMENT ACCOUNTS FOR LARGER SHARE OF BASALT FIBER MARKET	43
4.5	BASALT FIBER MARKET, BY COUNTRY	44
FIGURE 13	CHINA TO REGISTER HIGHEST CAGR IN BASALT FIBER MARKET DURING FORECAST PERIOD	44
5	MARKET OVERVIEW	45
5.1	INTRODUCTION	45
5.2	MARKET DYNAMICS	45
FIGURE 14	DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES IN BASALT FIBER MARKET	45
5.2.1	DRIVERS	46
5.2.1.1	Increase in demand for non-corrosive materials	46
5.2.1.2	Enhanced physical, mechanical, and chemical properties	46
TABLE 1	MECHANICAL & PHYSICAL PROPERTIES OF FIBERS	46
TABLE 2	TEMPERATURE RANGE OF FIBERS	47
5.2.1.3	Environmentally friendly and easily recyclable material	47
5.2.2	RESTRAINTS	47
5.2.2.1	Competition from matured products	47
5.2.3	OPPORTUNITIES	47
5.2.3.1	Increase in demand for basalt fiber in Europe and Asia Pacific	47
5.2.3.2	Growing adoption of environmentally friendly and recyclable materials	48
5.2.4	CHALLENGES	48
5.2.4.1	Complex manufacturing process and high cost compared to E-glass fibers	48

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

5.2.4.2	Difficulty in promotion of basalt fiber	48
5.3	PORTER'S FIVE FORCES ANALYSIS	49
FIGURE 15	BASALT FIBER MARKET: PORTER'S FIVE FORCES ANALYSIS	49
5.3.1	BARGAINING POWER OF BUYERS	49
5.3.2	BARGAINING POWER OF SUPPLIERS	50
5.3.3	THREAT OF NEW ENTRANTS	50
5.3.4	THREAT OF SUBSTITUTES	50
5.3.5	INTENSITY OF COMPETITIVE RIVALRY	50
TABLE 3	BASALT FIBER MARKET: PORTER'S FIVE FORCES ANALYSIS	51
5.4	PRICING ANALYSIS	51
5.5	AVERAGE SELLING PRICE	51
TABLE 4	BASALT FIBER AVERAGE SELLING PRICE, BY REGION	51
5.6	BASALT FIBER MARKET: OPTIMISTIC, PESSIMISTIC, AND REALISTIC SCENARIOS	52
TABLE 5	BASALT FIBER MARKET: CAGR (BY VALUE) IN REALISTIC, PESSIMISTIC, AND OPTIMISTIC SCENARIOS	52
5.6.1	OPTIMISTIC SCENARIO	52
5.6.2	PESSIMISTIC SCENARIO	52
5.6.3	REALISTIC SCENARIO	52
5.7	VALUE CHAIN ANALYSIS	53
FIGURE 16	VALUE CHAIN ANALYSIS: MORE VALUE ADDED DURING COMPOSITE DESIGN AND COMPOSITE PROCESSING PHASES	53
5.8	TECHNOLOGY ANALYSIS	54
TABLE 6	COMPARATIVE STUDY OF MAJOR BASALT FIBER COMPOSITE MANUFACTURING PROCESSES	54
5.9	TECHNOLOGICAL ADVANCEMENTS	54
5.9.1	USE OF BASALT FIBER IN HYBRID FABRICS	54
5.10	PATENT ANALYSIS	55
5.10.1	INTRODUCTION	55
5.10.2	METHODOLOGY	55
5.10.3	DOCUMENT TYPE	55
TABLE 7	BASALT FIBER: GLOBAL PATENTS	56
FIGURE 17	GLOBAL PATENT ANALYSIS, BY DOCUMENT TYPE	56
FIGURE 18	GLOBAL PATENT PUBLICATION TREND ANALYSIS: 2011-2021	56
5.10.4	INSIGHTS	57
5.10.5	LEGAL STATUS OF PATENTS	57
FIGURE 19	BASALT FIBER MARKET: LEGAL STATUS OF PATENTS	57
5.10.6	JURISDICTION ANALYSIS	57
FIGURE 20	GLOBAL JURISDICTION ANALYSIS, 2011-2021	57
5.10.7	TOP APPLICANTS' ANALYSIS	58
FIGURE 21	SICHUAN AEROSPACE WU YUAN COMPOSITE CO. LTD. POSSESSES HIGHEST NUMBER OF PATENTS	58
5.10.8	LIST OF PATENTS BY SICHUAN AEROSPACE WU YUAN COMPOSITE CO. LTD.	58
5.10.9	LIST OF PATENTS BY ZHENGZHOU DENGDIAN CBF CO. LTD.	59
5.10.10	LIST OF PATENTS BY SICHUAN FIBERGLASS GROUP CO. LTD.	60
5.10.11	TOP 10 PATENT OWNERS (US) IN LAST 10 YEARS	60
5.11	CASE STUDY	61
6	BASALT FIBER MARKET, BY USAGE TYPE	62
6.1	INTRODUCTION	63
TABLE 8	CHEMICAL COMPOSITION OF GLASS AND BASALT FIBERS	63
TABLE 9	TENSILE STRENGTH OF FIBERS	64
TABLE 10	BASALT FIBER STIFFNESS PROPERTIES	64

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

FIGURE 22□BASALT FIBER COMPOSITES TO GROW AT FASTER RATE BETWEEN 2022 AND 2027□64

TABLE 11□BASALT FIBER MARKET SIZE, BY USAGE TYPE, 2018-2021 (USD THOUSAND)□65

TABLE 12□BASALT FIBER MARKET SIZE, BY USAGE TYPE, 2018-2021 (TON)□65

TABLE 13□BASALT FIBER MARKET SIZE, BY USAGE TYPE, 2022-2027 (USD THOUSAND)□65

TABLE 14□BASALT FIBER MARKET SIZE, BY USAGE TYPE, 2022-2027 (TON)□65

6.2□BASALT FIBER IN COMPOSITES□66

6.2.1□BASALT FIBER IN COMPOSITES IMPROVES STRUCTURAL SAFETY AND SUSTAINABILITY OF CONSTRUCTION□66

FIGURE 23□ASIA PACIFIC TO DRIVE BASALT FIBER MARKET IN COMPOSITES□66

TABLE 15□BASALT FIBER MARKET SIZE IN COMPOSITES, BY REGION, 2018-2021 (USD THOUSAND)□67

TABLE 16□BASALT FIBER MARKET SIZE IN COMPOSITES, BY REGION, 2018-2021 (TON)□67

TABLE 17□BASALT FIBER MARKET SIZE IN COMPOSITES, BY REGION, 2022-2027 (USD THOUSAND)□67

TABLE 18□BASALT FIBER MARKET SIZE IN COMPOSITES, BY REGION, 2022-2027 (TON)□68

6.3□BASALT FIBER IN NON-COMPOSITES□68

6.3.1□BASALT FIBERS INCREASINGLY USED IN FABRICS, MESH, FELTS, INSULATION SLEEVES, AND CONCRETE REINFORCEMENTS□68

TABLE 19□COMPARATIVE CHARACTERISTICS OF FIBERS□68

TABLE 20□BASALT FIBER MARKET SIZE IN NON-COMPOSITES, BY REGION, 2018-2021 (USD THOUSAND)□69

TABLE 21□BASALT FIBER MARKET SIZE IN NON-COMPOSITES, BY REGION, 2018-2021 (TON)□69

TABLE 22□BASALT FIBER MARKET SIZE IN NON-COMPOSITES, BY REGION, 2022-2027 (USD THOUSAND)□69

TABLE 23□BASALT FIBER MARKET SIZE IN NON-COMPOSITES, BY REGION, 2022-2027 (TON)□70

7□BASALT FIBER MARKET, BY FORM□71

7.1□INTRODUCTION□72

FIGURE 24□CONTINUOUS BASALT FIBER TO GROW AT FASTER RATE BETWEEN 2021 AND 2027□72

TABLE 24□BASALT FIBER MARKET SIZE, BY FORM, 2018-2021 (USD THOUSAND)□72

TABLE 25□BASALT FIBER MARKET SIZE, BY FORM, 2018-2021 (TON)□72

TABLE 26□BASALT FIBER MARKET SIZE, BY FORM, 2022-2027 (USD THOUSAND)□73

TABLE 27□BASALT FIBER MARKET SIZE, BY FORM, 2022-2027 (TON)□73

7.2□CONTINUOUS BASALT FIBER□73

7.2.1□CONTINUOUS BASALT FIBERS POSSESS SUPERIOR EFFICIENCY AND HIGHER TENSILE STRENGTH□73

FIGURE 25□ASIA PACIFIC TO DOMINATE CONTINUOUS BASALT FIBER MARKET□74

TABLE 28□CONTINUOUS BASALT FIBER MARKET SIZE, BY REGION, 2018-2021 (USD THOUSAND)□74

TABLE 29□CONTINUOUS BASALT FIBER MARKET SIZE, BY REGION, 2018-2021 (TON)□74

TABLE 30□CONTINUOUS BASALT FIBER MARKET SIZE, BY REGION, 2022-2027 (USD THOUSAND)□75

TABLE 31□CONTINUOUS BASALT FIBER MARKET SIZE, BY REGION, 2022-2027 (TON)□75

7.3□DISCRETE BASALT FIBER□75

7.3.1□GROWING CONSTRUCTION AND TRANSPORTATION INDUSTRIES DRIVING DEMAND FOR DISCRETE BASALT FIBERS□75

TABLE 32□DISCRETE BASALT FIBER MARKET SIZE, BY REGION, 2018-2021 (USD THOUSAND)□76

TABLE 33□DISCRETE BASALT FIBER MARKET SIZE, BY REGION, 2018-2021 (TON)□76

TABLE 34□DISCRETE BASALT FIBER MARKET SIZE, BY REGION, 2022-2027 (USD THOUSAND)□76

TABLE 35□DISCRETE BASALT FIBER MARKET SIZE, BY REGION, 2022-2027 (TON)□77

8□BASALT FIBER MARKET, BY END-USE INDUSTRY□78

8.1□INTRODUCTION□79

FIGURE 26□CONSTRUCTION & INFRASTRUCTURE TO BE LARGEST CONSUMER OF BASALT FIBER□79

TABLE 36□BASALT FIBER MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD THOUSAND)□80

TABLE 37□BASALT FIBER MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (TON)□80

TABLE 38□BASALT FIBER MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD THOUSAND)□80

TABLE 39□BASALT FIBER MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (TON)□81

8.2□CONSTRUCTION & INFRASTRUCTURE□81

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

8.2.1	BASALT FIBER REPLACING STEEL IN CONSTRUCTION INDUSTRY DUE TO ITS UNIQUE COMBINATION OF PROPERTIES	81
FIGURE 27	ASIA PACIFIC TO DRIVE BASALT FIBER MARKET IN CONSTRUCTION & INFRASTRUCTURE INDUSTRY	82
TABLE 40	BASALT FIBER MARKET SIZE IN CONSTRUCTION & INFRASTRUCTURE, BY REGION, 2018-2021 (USD THOUSAND)	82
TABLE 41	BASALT FIBER MARKET SIZE IN CONSTRUCTION & INFRASTRUCTURE, BY REGION, 2018-2021 (TON)	83
TABLE 42	BASALT FIBER MARKET SIZE IN CONSTRUCTION & INFRASTRUCTURE, BY REGION, 2022-2027 (USD THOUSAND)	83
TABLE 43	BASALT FIBER MARKET SIZE IN CONSTRUCTION & INFRASTRUCTURE, BY REGION, 2022-2027 (TON)	83
8.3	AUTOMOTIVE & TRANSPORTATION	84
8.3.1	BASALT FIBER POSSESSES ENVIRONMENTALLY FRIENDLY PROPERTIES AND ALSO REDUCES COST OF VEHICLES	84
FIGURE 28	ASIA PACIFIC TO BE FASTEST-GROWING MARKET IN AUTOMOTIVE & TRANSPORTATION INDUSTRY	84
TABLE 44	BASALT FIBER MARKET SIZE IN AUTOMOTIVE & TRANSPORTATION, BY REGION, 2018-2021 (USD THOUSAND)	85
TABLE 45	BASALT FIBER MARKET SIZE IN AUTOMOTIVE & TRANSPORTATION, BY REGION, 2018-2021 (TON)	85
TABLE 46	BASALT FIBER MARKET SIZE IN AUTOMOTIVE & TRANSPORTATION, BY REGION, 2022-2027 (USD THOUSAND)	85
TABLE 47	BASALT FIBER MARKET SIZE IN AUTOMOTIVE & TRANSPORTATION, BY REGION, 2022-2027 (TON)	86
8.4	ELECTRICAL & ELECTRONICS	86
8.4.1	BASALT FIBER REPLACING GLASS MATERIALS IN IMPORTANT ELECTRICAL & ELECTRONIC APPLICATIONS	86
FIGURE 29	ASIA PACIFIC TO DOMINATE BASALT FIBER MARKET IN ELECTRICAL & ELECTRONICS INDUSTRY	87
TABLE 48	BASALT FIBER MARKET SIZE IN ELECTRICAL & ELECTRONICS, BY REGION, 2018-2021 (USD THOUSAND)	87
TABLE 49	BASALT FIBER MARKET SIZE IN ELECTRICAL & ELECTRONICS, BY REGION, 2018-2021 (TON)	87
TABLE 50	BASALT FIBER MARKET SIZE IN ELECTRICAL & ELECTRONICS, BY REGION, 2022-2027 (USD THOUSAND)	88
TABLE 51	BASALT FIBER MARKET SIZE IN ELECTRICAL & ELECTRONICS, BY REGION, 2022-2027 (TON)	88
8.5	WIND ENERGY	89
8.5.1	HIGH DEMAND FOR BASALT FIBERS IN PRODUCTION OF WIND TURBINES	89
TABLE 52	BASALT FIBER MARKET SIZE IN WIND ENERGY, BY REGION, 2018-2021 (USD THOUSAND)	89
TABLE 53	BASALT FIBER MARKET SIZE IN WIND ENERGY, BY REGION, 2018-2021 (TON)	89
TABLE 54	BASALT FIBER MARKET SIZE IN WIND ENERGY, BY REGION, 2022-2027 (USD THOUSAND)	90
TABLE 55	BASALT FIBER MARKET SIZE IN WIND ENERGY, BY REGION, 2022-2027 (TON)	90
8.6	MARINE	90
8.6.1	INCREASING DEMAND FOR BASALT FIBER FOR BUILDING PONTOONS	90
TABLE 56	BASALT FIBER MARKET SIZE IN MARINE, BY REGION, 2018-2021 (USD THOUSAND)	91
TABLE 57	BASALT FIBER MARKET SIZE IN MARINE, BY REGION, 2018-2021 (TON)	91
TABLE 58	BASALT FIBER MARKET SIZE IN MARINE, BY REGION, 2022-2027 (USD THOUSAND)	91
TABLE 59	BASALT FIBER MARKET SIZE IN MARINE, BY REGION, 2022-2027 (TON)	92
8.7	OTHERS	92
TABLE 60	BASALT FIBER MARKET SIZE IN OTHER END-USE INDUSTRIES, BY REGION, 2018-2021 (USD THOUSAND)	92
TABLE 61	BASALT FIBER MARKET SIZE IN OTHER END-USE INDUSTRIES, BY REGION, 2018-2021 (TON)	93
TABLE 62	BASALT FIBER MARKET SIZE IN OTHER END-USE INDUSTRIES, BY REGION, 2022-2027 (USD THOUSAND)	93
TABLE 63	BASALT FIBER MARKET SIZE IN OTHER END-USE INDUSTRIES, BY REGION, 2022-2027 (TON)	93
9	BASALT FIBER MARKET, BY REGION	94
9.1	INTRODUCTION	95
FIGURE 30	CHINA TO BE FASTEST-GROWING BASALT FIBER MARKET	95
TABLE 64	BASALT FIBER MARKET SIZE, BY REGION, 2018-2021 (USD THOUSAND)	96
TABLE 65	BASALT FIBER MARKET SIZE, BY REGION, 2018-2021 (TON)	96
TABLE 66	BASALT FIBER MARKET SIZE, BY REGION, 2022-2027 (USD THOUSAND)	96
TABLE 67	BASALT FIBER MARKET SIZE, BY REGION, 2022-2027 (TON)	97
9.2	NORTH AMERICA	97
FIGURE 31	NORTH AMERICA: BASALT FIBER MARKET SNAPSHOT	98
TABLE 68	NORTH AMERICA: BASALT FIBER MARKET SIZE, BY COUNTRY, 2018-2021 (USD THOUSAND)	98

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

TABLE 69 NORTH AMERICA: BASALT FIBER MARKET SIZE, BY COUNTRY, 2018-2021 (TON) 98

TABLE 70 NORTH AMERICA: BASALT FIBER MARKET SIZE, BY COUNTRY, 2022-2027 (USD THOUSAND) 99

TABLE 71 NORTH AMERICA: BASALT FIBER MARKET SIZE, BY COUNTRY, 2022-2027 (TON) 99

TABLE 72 NORTH AMERICA: BASALT FIBER MARKET SIZE, BY USAGE TYPE, 2018-2021 (USD THOUSAND) 99

TABLE 73 NORTH AMERICA: BASALT FIBER MARKET SIZE, BY USAGE TYPE, 2018-2021 (TON) 99

TABLE 74 NORTH AMERICA: BASALT FIBER MARKET SIZE, BY USAGE TYPE, 2022-2027 (USD THOUSAND) 100

TABLE 75 NORTH AMERICA: BASALT FIBER MARKET SIZE, BY USAGE TYPE, 2022-2027 (TON) 100

TABLE 76 NORTH AMERICA: BASALT FIBER MARKET SIZE, BY FORM, 2018-2021 (USD THOUSAND) 100

TABLE 77 NORTH AMERICA: BASALT FIBER MARKET SIZE, BY FORM, 2018-2021 (TON) 100

TABLE 78 NORTH AMERICA: BASALT FIBER MARKET SIZE, BY FORM, 2022-2027 (USD THOUSAND) 101

TABLE 79 NORTH AMERICA: BASALT FIBER MARKET SIZE, BY FORM, 2022-2027 (TON) 101

TABLE 80 NORTH AMERICA: BASALT FIBER MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD THOUSAND) 101

TABLE 81 NORTH AMERICA: BASALT FIBER MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (TON) 102

TABLE 82 NORTH AMERICA: BASALT FIBER MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD THOUSAND) 102

TABLE 83 NORTH AMERICA: BASALT FIBER MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (TON) 102

9.2.1 US 103

9.2.1.1 Manufacturers offering new basalt fiber products in US 103

TABLE 84 US: NEW WIND ENERGY INSTALLATIONS, 2010-2020 (MW) 103

9.2.2 CANADA 104

9.2.2.1 Well-established aerospace industry in Canada driving market 104

9.3 EUROPE 104

FIGURE 32 EUROPE: BASALT FIBER MARKET SNAPSHOT 105

TABLE 85 EUROPE: BASALT FIBER MARKET SIZE, BY COUNTRY, 2018-2021 (USD THOUSAND) 105

TABLE 86 EUROPE: BASALT FIBER MARKET SIZE, BY COUNTRY, 2018-2021 (TON) 106

TABLE 87 EUROPE: BASALT FIBER MARKET SIZE, BY COUNTRY, 2022-2027 (USD THOUSAND) 106

TABLE 88 EUROPE: BASALT FIBER MARKET SIZE, BY COUNTRY, 2022-2027 (TON) 106

TABLE 89 EUROPE: BASALT FIBER MARKET SIZE, BY USAGE TYPE, 2018-2021 (USD THOUSAND) 107

TABLE 90 EUROPE: BASALT FIBER MARKET SIZE, BY USAGE TYPE, 2018-2021 (TON) 107

TABLE 91 EUROPE: BASALT FIBER MARKET SIZE, BY USAGE TYPE, 2022-2027 (USD THOUSAND) 107

TABLE 92 EUROPE: BASALT FIBER MARKET SIZE, BY USAGE TYPE, 2022-2027 (TON) 107

TABLE 93 EUROPE: BASALT FIBER MARKET SIZE, BY FORM, 2018-2021 (USD THOUSAND) 108

TABLE 94 EUROPE: BASALT FIBER MARKET SIZE, BY FORM, 2018-2021 (TON) 108

TABLE 95 EUROPE: BASALT FIBER MARKET SIZE, BY FORM, 2022-2027 (USD THOUSAND) 108

TABLE 96 EUROPE: BASALT FIBER MARKET SIZE, BY FORM, 2022-2027 (TON) 108

TABLE 97 EUROPE: BASALT FIBER MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD THOUSAND) 109

TABLE 98 EUROPE: BASALT FIBER MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (TON) 109

TABLE 99 EUROPE: BASALT FIBER MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD THOUSAND) 109

TABLE 100 EUROPE: BASALT FIBER MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (TON) 110

9.3.1 GERMANY 110

9.3.1.1 Germany is second-largest market for basalt fiber in Europe 110

9.3.2 UK 110

9.3.2.1 Presence of well-known automotive companies driving demand for basalt fiber 110

9.3.3 BELGIUM 111

9.3.3.1 Automotive & transportation industry bolstering demand for basalt fiber in Belgium 111

9.3.4 UKRAINE 111

9.3.4.1 Presence of basalt rock in neighboring regions drives market in Ukraine 111

9.3.5 RUSSIA 111

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

9.3.5.1 Russia is largest market for basalt fiber in European region 111

9.3.6 IRELAND 111

9.3.6.1 High demand witnessed in construction & infrastructure and wind energy industries 111

?

9.4 ASIA PACIFIC 112

FIGURE 33 ASIA PACIFIC: BASALT FIBER MARKET SNAPSHOT 113

TABLE 101 ASIA PACIFIC: BASALT FIBER MARKET SIZE, BY COUNTRY, 2018-2021 (USD THOUSAND) 113

TABLE 102 ASIA PACIFIC: BASALT FIBER MARKET SIZE, BY COUNTRY, 2018-2021 (TON) 114

TABLE 103 ASIA PACIFIC: BASALT FIBER MARKET SIZE, BY COUNTRY, 2022-2027 (USD THOUSAND) 114

TABLE 104 ASIA PACIFIC: BASALT FIBER MARKET SIZE, BY COUNTRY, 2022-2027 (TON) 114

TABLE 105 ASIA PACIFIC: BASALT FIBER MARKET SIZE, BY USAGE TYPE, 2018-2021 (USD THOUSAND) 115

TABLE 106 ASIA PACIFIC: BASALT FIBER MARKET SIZE, BY USAGE TYPE, 2018-2021 (TON) 115

TABLE 107 ASIA PACIFIC: BASALT FIBER MARKET SIZE, BY USAGE TYPE, 2022-2027 (USD THOUSAND) 115

TABLE 108 ASIA PACIFIC: BASALT FIBER MARKET SIZE, BY USAGE TYPE, 2022-2027 (TON) 115

TABLE 109 ASIA PACIFIC: BASALT FIBER MARKET SIZE, BY FORM, 2018-2021 (USD THOUSAND) 116

TABLE 110 ASIA PACIFIC: BASALT FIBER MARKET SIZE, BY FORM, 2018-2021 (TON) 116

TABLE 111 ASIA PACIFIC: BASALT FIBER MARKET SIZE, BY FORM, 2022-2027 (USD THOUSAND) 116

TABLE 112 ASIA PACIFIC: BASALT FIBER MARKET SIZE, BY FORM, 2022-2027 (TON) 116

TABLE 113 ASIA PACIFIC: BASALT FIBER MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD THOUSAND) 117

TABLE 114 ASIA PACIFIC: BASALT FIBER MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (TON) 117

TABLE 115 ASIA PACIFIC: BASALT FIBER MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD THOUSAND) 117

TABLE 116 ASIA PACIFIC: BASALT FIBER MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (TON) 118

9.4.1 CHINA 118

9.4.1.1 China is fastest-growing market for basalt fiber, globally 118

9.4.2 JAPAN 119

9.4.2.1 Growing automotive industry boosting demand for basalt fibers 119

9.4.3 SINGAPORE 119

9.4.3.1 Singapore is second-largest market in Asia Pacific 119

9.5 LATIN AMERICA 119

TABLE 117 LATIN AMERICA: BASALT FIBER MARKET SIZE, BY COUNTRY, 2018-2021 (USD THOUSAND) 119

TABLE 118 LATIN AMERICA: BASALT FIBER MARKET SIZE, BY COUNTRY, 2018-2021 (TON) 120

TABLE 119 LATIN AMERICA: BASALT FIBER MARKET SIZE, BY COUNTRY, 2022-2027 (USD THOUSAND) 120

TABLE 120 LATIN AMERICA: BASALT FIBER MARKET SIZE, BY COUNTRY, 2022-2027 (TON) 120

TABLE 121 LATIN AMERICA: BASALT FIBER MARKET SIZE, BY USAGE TYPE, 2018-2021 (USD THOUSAND) 120

TABLE 122 LATIN AMERICA: BASALT FIBER MARKET SIZE, BY USAGE TYPE, 2018-2021 (TON) 121

TABLE 123 LATIN AMERICA: BASALT FIBER MARKET SIZE, BY USAGE TYPE, 2022-2027 (USD THOUSAND) 121

TABLE 124 LATIN AMERICA: BASALT FIBER MARKET SIZE, BY USAGE TYPE, 2022-2027 (TON) 121

TABLE 125 LATIN AMERICA: BASALT FIBER MARKET SIZE, BY FORM, 2018-2021 (USD THOUSAND) 121

TABLE 126 LATIN AMERICA: BASALT FIBER MARKET SIZE, BY FORM, 2018-2021 (TON) 122

TABLE 127 LATIN AMERICA: BASALT FIBER MARKET SIZE, BY FORM, 2022-2027 (USD THOUSAND) 122

TABLE 128 LATIN AMERICA: BASALT FIBER MARKET SIZE, BY FORM, 2022-2027 (TON) 122

TABLE 129 LATIN AMERICA: BASALT FIBER MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD THOUSAND) 122

TABLE 130 LATIN AMERICA: BASALT FIBER MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (TON) 123

TABLE 131 LATIN AMERICA: BASALT FIBER MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD THOUSAND) 123

TABLE 132 LATIN AMERICA: BASALT FIBER MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (TON) 123

9.5.1 BRAZIL 124

9.5.1.1 Brazil dominates basalt fiber market in Latin America 124

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

9.5.2 MEXICO 124

9.5.2.1 Growing wind energy sector in country driving demand for basalt fiber 124

9.6 MIDDLE EAST & AFRICA 124

TABLE 133 MIDDLE EAST & AFRICA: BASALT FIBER MARKET SIZE, BY COUNTRY, 2018-2021 (USD THOUSAND) 124

TABLE 134 MIDDLE EAST & AFRICA: BASALT FIBER MARKET SIZE, BY COUNTRY, 2018-2021 (TON) 125

TABLE 135 MIDDLE EAST & AFRICA: BASALT FIBER MARKET SIZE, BY COUNTRY, 2022-2027 (USD THOUSAND) 125

TABLE 136 MIDDLE EAST & AFRICA: BASALT FIBER MARKET SIZE, BY COUNTRY, 2022-2027 (TON) 125

TABLE 137 MIDDLE EAST & AFRICA: BASALT FIBER MARKET SIZE, BY USAGE TYPE, 2018-2021 (USD THOUSAND) 126

TABLE 138 MIDDLE EAST & AFRICA: BASALT FIBER MARKET SIZE, BY USAGE TYPE, 2018-2021 (TON) 126

TABLE 139 MIDDLE EAST & AFRICA: BASALT FIBER MARKET SIZE, BY USAGE TYPE, 2022-2027 (USD THOUSAND) 126

TABLE 140 MIDDLE EAST & AFRICA: BASALT FIBER MARKET SIZE, BY USAGE TYPE, 2022-2027 (TON) 126

TABLE 141 MIDDLE EAST & AFRICA: BASALT FIBER MARKET SIZE, BY FORM, 2018-2021 (USD THOUSAND) 127

TABLE 142 MIDDLE EAST & AFRICA: BASALT FIBER MARKET SIZE, BY FORM, 2018-2021 (TON) 127

TABLE 143 MIDDLE EAST & AFRICA: BASALT FIBER MARKET SIZE, BY FORM, 2022-2027 (USD THOUSAND) 127

TABLE 144 MIDDLE EAST & AFRICA: BASALT FIBER MARKET SIZE, BY FORM, 2022-2027 (TON) 127

TABLE 145 MIDDLE EAST & AFRICA: BASALT FIBER MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD THOUSAND) 128

TABLE 146 MIDDLE EAST & AFRICA: BASALT FIBER MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (TON) 128

TABLE 147 MIDDLE EAST & AFRICA: BASALT FIBER MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD THOUSAND) 128

TABLE 148 MIDDLE EAST & AFRICA: BASALT FIBER MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (TON) 129

9.6.1 SOUTH AFRICA 129

9.6.1.1 South Africa is largest market in Middle East & Africa 129

9.6.2 SAUDI ARABIA 129

9.6.2.1 Saudi Arabia is fastest-growing market in Middle East & Africa 129

9.6.3 UAE 129

9.6.3.1 Increasing demand from construction & infrastructure industry driving demand for basalt fiber 129

10 COMPETITIVE LANDSCAPE 130

10.1 INTRODUCTION 130

10.2 MARKET SHARE ANALYSIS 130

FIGURE 34 ZHEJIANG GBF BASALT FIBER CO. LED MARKET IN 2021 130

TABLE 149 DEGREE OF COMPETITION: BASALT FIBER MARKET 131

10.3 MARKET RANKING 131

FIGURE 35 MARKET RANKING OF TOP FIVE PLAYERS IN BASALT FIBER MARKET 131

10.4 COMPANY EVALUATION MATRIX 132

TABLE 150 COMPANY PRODUCT FOOTPRINT 132

TABLE 151 COMPANY END-USE INDUSTRY FOOTPRINT 132

TABLE 152 COMPANY REGION FOOTPRINT 133

10.5 COMPETITIVE LEADERSHIP MAPPING 134

10.5.1 STARS 134

10.5.2 PERVASIVE 134

10.5.3 PARTICIPANTS 134

10.5.4 EMERGING LEADERS 134

FIGURE 36 BASALT FIBER MARKET (GLOBAL) COMPETITIVE LEADERSHIP MAPPING, 2021 135

10.5.5 STRENGTH OF PRODUCT PORTFOLIO 136

10.5.6 BUSINESS STRATEGY EXCELLENCE 136

10.6 START-UP/ SMALL AND MEDIUM-SIZED ENTERPRISES (SME) EVALUATION MATRIX 137

10.6.1 PROGRESSIVE COMPANIES 137

10.6.2 RESPONSIVE COMPANIES 137

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

10.6.3	DYNAMIC COMPANIES	137
10.6.4	STARTING BLOCKS	137
FIGURE 37	BASALT FIBER MARKET: SMALL AND MEDIUM-SIZED ENTERPRISES MAPPING, 2020	138
10.7	MARKET EVALUATION FRAMEWORK	139
TABLE 153	BASALT FIBER MARKET: DEALS, 2016-2021	139
TABLE 154	BASALT FIBER MARKET: OTHERS, 2016-2021	139
TABLE 155	BASALT FIBER MARKET: NEW PRODUCT DEVELOPMENT, 2016-2021	139
11	COMPANY PROFILES	140
11.1	KEY COMPANIES	140
	(Business Overview, Products Offered, Recent Developments, New Product Launch, Other Deals, and MnM View)*	
11.1.1	KAMENNY VEK	140
TABLE 156	KAMENNY VEK: COMPANY OVERVIEW	140
11.1.2	ZHEJIANG GBF BASALT FIBER CO.	143
TABLE 157	ZHEJIANG GBF BASALT FIBER CO.: COMPANY OVERVIEW	143
11.1.3	MAFIC SA	145
TABLE 158	MAFIC SA: COMPANY OVERVIEW	145
11.1.4	TECHNOBASALT-INVEST LLC	147
TABLE 159	TECHNOBASALT-INVEST LLC: COMPANY OVERVIEW	147
11.1.5	RUSSIAN BASALT	149
TABLE 160	RUSSIAN BASALT: COMPANY OVERVIEW	149
11.1.6	ISOMATEX S.A.	150
TABLE 161	ISOMATEX S.A.: COMPANY OVERVIEW	150
11.1.7	INCOTELOGY GMBH	152
TABLE 162	INCOTELOGY GMBH: COMPANY OVERVIEW	152
11.1.8	SUDAGLASS BASALT FIBER TECHNOLOGY	154
TABLE 163	SUDAGLASS BASALT FIBER TECHNOLOGY: COMPANY OVERVIEW	154
11.1.9	SHANXI BASALT FIBER TECHNOLOGY CO. LTD.	156
TABLE 164	SHANXI BASALT FIBER TECHNOLOGY CO. LTD.: COMPANY OVERVIEW	156
11.1.10	MUDANJIANG JINSHI BASALT FIBER CO. LTD.	158
TABLE 165	MUDANJIANG JINSHI BASALT FIBER CO. LTD.: COMPANY OVERVIEW	158
11.1.11	JFE ROCKFIBER CORP.	160
TABLE 166	JFE ROCKFIBER CORP.: COMPANY OVERVIEW	160
	* (Business Overview, Products Offered, Recent Developments, New Product Launch, Other Deals, and MnM View might not be captured in case of unlisted companies.	
11.2	OTHER COMPANIES	162
11.2.1	BASALT TECHNOLOGY UK LIMITED	162
11.2.2	SICHUAN AEROSPACE TUOXIN BASALT INDUSTRIAL CO., LTD.	162
11.2.3	ASA. TEC GMBH	162
11.2.4	SICHUAN FIBERGLASS GROUP CO., LTD.	162
11.2.5	NMG COMPOSITES CO., LTD.	162
11.2.6	FIBERBAS CONSTRUCTION AND BUILDING TECHNOLOGIES	162
11.2.7	LIAONING JINSHI TECHNOLOGY GROUP CO., LTD.	162
11.2.8	JIANGSU GREEN MATERIALS VALLY NEW MATERIAL T&D CO., LTD. (GMV)	163
11.2.9	YINGKOU HONGYUAN FIBERGLASS TECHNOLOGY CO., LTD.	163
11.2.10	JILIN PROVINCE HUAYANG NEW COMPOSITE MATERIAL CO., LTD.	163
12	APPENDIX	164

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

12.1 DISCUSSION GUIDE 164

12.2 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL 167

12.3 AVAILABLE CUSTOMIZATIONS 169

12.4 RELATED REPORT 169

12.5 AUTHOR DETAILS 170

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

Basalt Fiber Market by Usage (Composites, Non-Composites), End-Use Industry (Construction & Infrastructure, Automotive & Transportation, Wind Energy, Electrical & Electronics, Marine) and Region - Global Forecast to 2027

Market Report | 2022-07-12 | 165 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"/>
Zip Code*	<input type="text"/>	Country*	<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

Date

2026-03-04

Signature

A large, empty rectangular box intended for a signature.

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com