

ASPHALT IN FIGURES 2024



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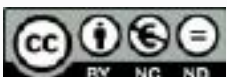


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EAPA is the European industry association which represents the manufacturers of bituminous mixtures, companies engaged in asphalt road construction and maintenance as well as the additive and equipment producers. It has the mission to ensure that the use of asphalt, as the optimum choice for the construction and maintenance of the vital European road infrastructure, is fully appreciated, promoted and implemented. Conscious of the importance of providing information to the public, EAPA is pleased to present to you the data of 'Asphalt in Figures' for the year 2024.

Ralf Pomp
President EAPA



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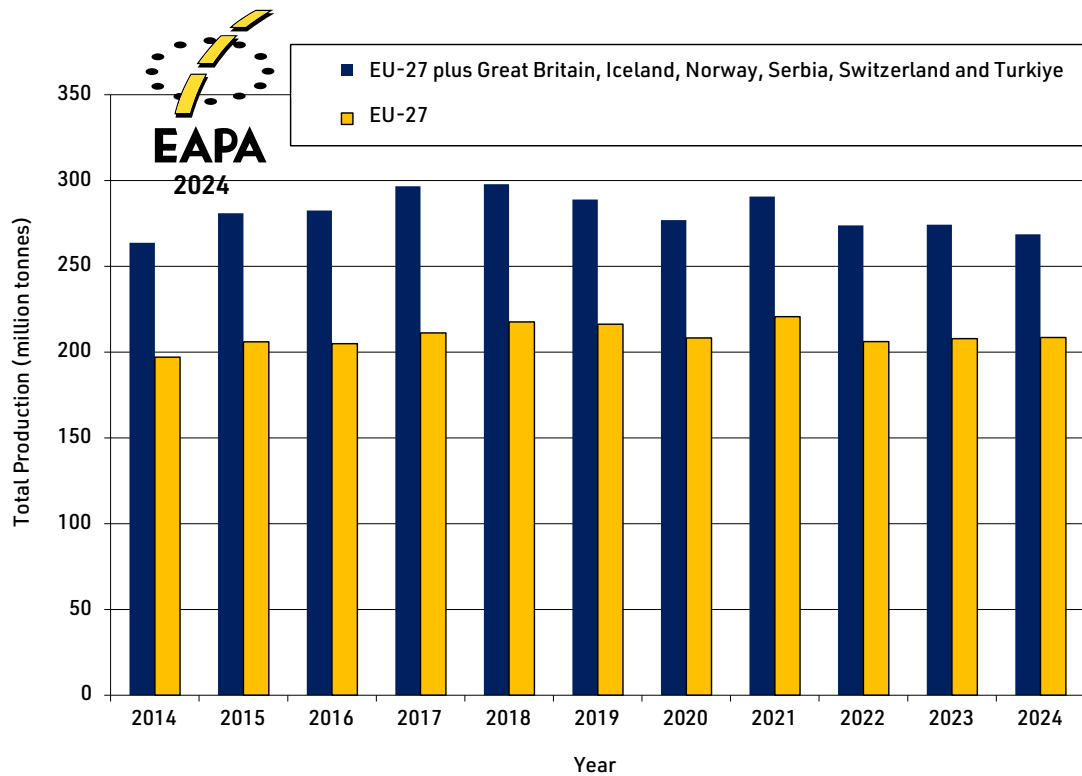
KEY FIGURES OF THE EUROPEAN ASPHALT INDUSTRY IN 2024

This document provides an overview of the figures of the European asphalt sector until the year 2024. The data refers to production, types of asphalt, applications, re-use/ recycling rates, number of companies and production sites. These figures have been established e.g. with the assistance of the members of the European Asphalt Pavement Association, being at the moment the best available and most reliable data for the asphalt industry.

In some cases, data from some countries were not available, which was marked in the tables as "no data". In other cases, some countries did not provide the data of a certain year, but this could be estimated based on the historic series of data they did provide over the previous years. This is marked with "*" next to the estimated value.

FIGURE 1. GRAPH OF TOTAL PRODUCTION

TOTAL PRODUCTION OF HOT AND WARM MIX ASPHALT FROM 2014 TO 2024
(IN MILLION TONNES)



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ASPHALT IN FIGURES 2024

TABLE 1. TOTAL PRODUCTION

TOTAL PRODUCTION OF HOT AND WARM MIX ASPHALT FROM 2014 TO 2024 (IN MILLION TONNES)

| Country | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|---------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|----------------|
| Austria | 7,2 | 7,2 | 7,4 | 7,4 | 7,5 | 7,5 | 7,4 | 7,3 | 6,5 | 6,5 | 6,8 |
| Belgium | 5,2 | 5,0 | 5,1 | 5,6 | 5,8 | 5,2 | 4,3 | 4,6 | 4,9* | 4,8 | 5,0 |
| Bulgaria | no data | 2,0* | 2,0* | 2,0* | 2,0* | 2,0* | 2,0* | 2,0* | 2,0* | 2,0* | 2,0* |
| Croatia | 2,3 | 2,2 | 2,2 | 2,2 | 2,5 | 2,6 | 2,3 | 2,7 | 2,8 | 3,0 | 2,9 |
| Cyprus | no data | no data | 0,2* | 0,2* | 0,2* | 0,2* | 0,2* | 0,2* | 0,2* | 0,2* | 0,2* |
| Czech Rep | 6,4 | 8,0 | 6,7 | 7,4 | 7,9 | 6,8 | 6,7 | 7,2 | 6,8 | 7,0 | 7,9 |
| Denmark | 3,7 | 3,7 | 3,8 | 4,0 | 3,9 | 3,5 | 3,9 | 3,6 | 3,5 | 3,5 | 3,7 |
| Estonia | 1,3 | 1,5 | 1,5 | 1,7 | 1,6 | 1,6 | 1,7 | 1,7 | 1,4 | 1,1 | 1,0 |
| Finland | 4,7 | 5,4 | 5,9 | 6,4 | 6,1 | 5,5 | 7,6 | 6,1 | no data | no data | no data |
| France | 31,9 | 31,5 | 33,6 | 33,7 | 35,0 | 35,8 | 31,9 | 34,7 | 30,7 | 30,7* | 28,9 |
| Germany | 39,0 | 39,0 | 41,0 | 42,0 | 41,0 | 40,0 | 38,0 | 38,0 | 39,0 | 38,0 | 38,0 |
| Great Britain | 20,6 | 21,9 | 22,0 | 22,7 | 22,9 | 25,2 | 23,0 | 25,7 | 24,2 | 22,6 | 21,4 |
| Greece | 2,7* | 2,5* | 2,3* | 2,3* | 2,3* | 2,3* | 2,3* | 2,3* | 2,3* | 2,3* | 2,3* |
| Hungary | 3,8 | 3,9 | 2,8 | 2,6 | 4,7 | 5,0 | 4,8 | 4,9 | 4,5 | 3,1 | 4,1 |
| Iceland | 0,3 | 0,3 | 0,3* | 0,3* | 0,3* | 0,3* | 0,3* | 0,3* | 0,3* | 0,3* | 0,3* |
| Ireland | 1,8 | 1,9 | 1,9 | 2,0 | 1,9 | 2,0 | 1,9 | 1,9 | 1,9 | 2,0 | 1,9 |
| Italy | 22,3 | 23,1 | 23,1 | 23,7 | 26,0 | 30,1 | 30,1* | 37,6 | 31,2 | 34,2 | 34,2 |
| Latvia | 0,6* | 0,6* | 0,6* | 0,6* | 0,6* | 0,6* | 0,6* | 0,6* | 0,6* | 0,6* | 0,6* |
| Lithuania | 1,3* | 1,6 | 1,6 | 1,6* | 1,6* | 1,6* | 1,6* | 1,6* | 1,6* | 1,2 | 2,4 |
| Luxembourg | 0,7* | 0,7 | 0,7* | 0,9 | 0,9* | 0,9* | 0,9* | 0,9* | 0,9* | 0,9* | 0,9* |
| Malta | no data | no data | 0,1* | 0,1* | 0,1* | 0,1* | 0,1* | 0,1* | 0,1* | 0,1* | 0,1* |
| Netherlands | 9,0 | 8,0 | 8,2 | 8,1 | 7,9 | 7,7 | 7,1 | 7,2 | 6,2 | 6,2* | 6,9 |
| Norway | 7,0 | 6,9 | 7,2 | 7,8 | 7,5 | 7,7 | 6,9 | 6,9 | 6,4 | 5,8 | 5,7 |
| Poland | 16,5 | 18,5 | 19,0* | 19,0* | 19,0* | 19,0* | 19,0* | 19,0* | 19,0* | 19,0* | 19,0* |
| Portugal | 6,4* | 6,4* | 6,2* | 6,2* | 6,2* | 3,1 | 3,4 | 4,0 | 3,1 | 3,3 | 3,5 |
| Romania | 4,5 | 4,5* | 4,5* | 4,5* | 4,5* | 1,7 | 1,0 | 1,0* | 1,1 | 1,1* | 1,1* |
| Serbia | 1,3 | 1,3 | 1,3* | 1,3* | 1,3* | 1,3* | 1,3* | 1,3* | 1,3* | 1,3* | 1,3* |
| Slovakia | 1,5 | 2,7 | 1,9 | 2,0 | 2,3 | 2,4 | 2,2 | 2,4 | 2,5 | 2,3 | 1,9 |
| Slovenia | 1,4 | 1,6 | 1,6 | 1,8 | 2,0 | 1,9 | 1,9 | 2,1 | 2,1 | 1,9 | 1,9 |
| Spain | 14,5 | 16,4 | 13,1 | 15,2 | 16,0 | 18,8 | 17,1 | 18,9 | 17,1 | 18,6 | 17,0 |
| Sweden | 8,5 | 8,2 | 8,2* | 8,2* | 8,2* | 8,2* | 8,2* | 8,2* | 8,2* | 8,2* | 8,2* |
| Switzerland | 6,5 | 6,5* | 6,5* | 6,5* | 6,5* | 5,5 | 5,5* | 5,5* | 5,5* | 4,7 | 4,7* |
| Turkiye | 30,9 | 37,9 | 40,4 | 46,9 | 41,7 | 32,7 | 31,7 | 30,3 | 30,1 | 31,6 | 26,7 |
| EU-27 | 197,1 | 206,0 | 204,9 | 211,2 | 217,6 | 216,2 | 208,3 | 220,7 | 206,1 | 207,9 | 208,5 |
| Europe | 263,7 | 280,9 | 282,5 | 296,7 | 297,9 | 288,9 | 276,9 | 290,6 | 273,9 | 274,2 | 268,7 |
| USA | 319,0 | 331,0 | 340,0 | 344,0 | 353,0 | 382,0 | 370,0 | 392,0 | 400,9 | no data | no data |
| South Africa | 5,4 | 4,8 | 4,8 | 4,1 | 4,2 | 4,1 | 2,3 | 2,8 | 3,1 | no data | no data |

* Data not available. Estimated based on historic data.

Notes:

The figures of Romania refer only to the maintenance and construction of the national road network and highways. Departmental roads or streets in cities are not included.

The figures of Europe include data from EU-27 countries plus Great Britain, Norway, Switzerland and Turkiye.

The figures of Great Britain until 2018 refer only to Members of Mineral Products Association. The values from 2019 are extrapolation for the whole country. For MPA Members only (90% of total GB market), the value of 2024 is 19,3Mt.

TABLE 2. SURFACE, BINDER AND BASE COURSES

APPLICATION IN SURFACE-, BINDER- AND BASE COURSES OF TOTAL ANNUAL HOT AND WARM MIX ASPHALT PRODUCTION 2024 (IN %)

| Country | Surface course | Binder course | Base course |
|----------------|----------------|---------------|-------------|
| Austria | 35 | 15 | 50 |
| Belgium | 50 | 1 | 49 |
| Croatia | 63 | 3 | 34 |
| Czech Republic | 51 | 26 | 23 |
| Denmark | 45 | 6 | 49 |
| Estonia | 69 | 4 | 27 |
| Hungary | 65 | 30 | 5 |
| Italy | 50 | 30 | 20 |
| Lithuania | 44 | 23 | 33 |
| Norway | 80 | 10 | 10 |
| Portugal | 69 | 15 | 16 |
| Slovakia | 54 | 34 | 12 |
| Slovenia | 52 | 9 | 39 |
| Spain | 71 | 19 | 10 |
| Switzerland | 28* | 32* | 40* |
| Turkiye | 37 | 40 | 23 |

TABLE 3(A). SURFACE COURSES

USE OF DIFFERENT TYPES OF ASPHALT MIXES IN SURFACE COURSES IN 2024 (IN %)

| Country | Asphalt concrete EN 13108-1 | Asphalt concrete for very thin layers EN13108-2 | Soft Asphalt EN 13108-3 | Hot Rolled Asphalt EN 13108-4 | Stone Mastic Asphalt EN 13108-5 | Mastic Asphalt EN 13108-6 | Porous Asphalt EN 13108-7 |
|-----------|-----------------------------|---|-------------------------|-------------------------------|---------------------------------|---------------------------|---------------------------|
| Austria | 38,0 | 0,0 | 0,0 | 0,0 | 60,0 | 2,0 | 0,0 |
| Belgium | 73,1 | 0,4 | 0,0 | 0,0 | 25,4 | 0,6 | 0,5 |
| Croatia | 91,6 | 0,6 | 0,0 | 0,0 | 7,8 | 0,0 | 0,0 |
| Czech Rep | 83,0 | 0,6 | 0,0 | 0,0 | 14,0 | 1,3 | 0,4 |
| Denmark | 56,7 | 0,0 | 0,0 | 0,0 | 42,0 | 0,0 | 1,3 |
| Estonia | 96,1 | 0,0 | 0,0 | 0,0 | 3,8 | 0,0 | 0,1 |
| France | 75,0 | 20,0 | 0,0 | 0,0 | 0,0 | 0,0 | 5,0 |
| Hungary | 68,0 | 0,0 | 0,0 | 0,0 | 31,0 | 1,0 | 0,0 |
| Lithuania | 89,0 | 0,2 | 0,6 | 0,0 | 10,3 | 0,0 | 0,0 |
| Portugal | 92,0 | 0,0 | 0,0 | 0,0 | 6,0 | 0,0 | 2,0 |
| Slovakia | 84,0 | 0,0 | 0,0 | 0,0 | 13,0 | 3,0 | 0,0 |
| Slovenia | 90,0 | 0,0 | 0,0 | 0,0 | 9,0 | 0,0 | 1,0 |
| Spain | 82,4 | 13,9 | 0,0 | 0,0 | 3,2 | 0,0 | 0,5 |
| Turkiye | 95,0 | 0,0 | 0,0 | 0,0 | 5,0 | 0,0 | 0,0 |



Want to increase recycling rate?

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- > Recording of customer-specific framework conditions
- > Identification of requirements for the production process and asphalt quality
- > Development of individual processing setups
- > Support with the implementation of best practices

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TABLE 3(B). SURFACE COURSES

APPLIED AREA OF DIFFERENT TYPES OF ASPHALT MIXES IN SURFACE COURSES IN 2024 (IN MILLION M²)

| Country | Asphalt concrete EN 13108-1 | Asphalt concrete for very thin layers EN13108-2 | Soft Asphalt EN 13108-3 | Hot Rolled Asphalt EN 13108-4 | Stone Mastic Asphalt EN 13108-5 | Mastic Asphalt EN 13108-6 | Porous Asphalt EN 13108-7 |
|-----------|-----------------------------|---|-------------------------|-------------------------------|---------------------------------|---------------------------|---------------------------|
| Belgium | 19,80 | 0,20 | 0,00 | 0,00 | 6,90 | 0,00 | 0,10 |
| Croatia | 16,70 | 0,10 | 0,00 | 0,00 | 1,30 | 0,00 | 0,00 |
| Czech Rep | 23,00 | 0,20 | 0,00 | 0,00 | 7,00 | 0,40 | 0,10 |
| Denmark | 12,30 | 0,00 | 0,00 | 0,00 | 8,80 | 0,00 | 0,40 |
| Hungary | 14,30 | 0,00 | 0,00 | 0,00 | 6,10 | 0,10 | 0,00 |
| Portugal | 16,20 | 0,00 | 0,00 | 0,00 | 1,00 | 0,00 | 1,90 |
| Slovenia | 9,00 | 0,00 | 0,00 | 0,00 | 1,00 | 0,00 | 0,10 |

TABLE 4(A). WARM MIX ASPHALT

PRODUCTION OF WARM MIX ASPHALT FROM 2014 TO 2024 (IN MILLION TONNES)

Warm Mix Asphalt (WMA): bituminous mixture, as defined in Standard Series EN 13108, manufactured by using a series of technologies, which allow a significant reduction of production and installation temperatures, compared to the equivalent hot mix asphalt.

Note 1: this definition excludes asphalt mixes manufactured with bituminous emulsion.

Note 2: normally temperature reductions are of at least 20 K.

| Country | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Austria | 0,000 | 0,000 | 0,000 | no data | no data | no data | no data | no data | 0,150 | 1,500* | 1,500 |
| Belgium | no data | <0,05 | no data | <0,050 | 0,100 | 0,200 | 0,300 | 4,630* | 0,167 | 0,120 | 0,096 |
| Croatia | 0,040 | 0,060 | 0,060 | no data | no data | no data | 0,075 | 0,080 | 0,080 | 0,220 | 0,200 |
| Czech Rep | 0,001 | 0,020 | 0,007 | 0,070 | 0,080 | 0,001 | 0,001 | 0,010 | 0,010 | 0,010 | 0,000 |
| Denmark | 0,200 | 0,200 | 0,250 | 0,340 | 0,330 | 0,320 | 0,320 | 0,330 | 0,310 | no data | no data |
| Estonia | no data | no data | no data | no data | no data | no data | no data | 0,000 | 0,00091 | 0,006 | 0,022 |
| Finland | 0,120 | 0,240 | 0,310 | 0,430 | 0,310 | 0,200 | 0,200 | 0,200 | no data | no data | no data |
| France | 4,023 | 4,552 | 4,324 | 3,824 | 3,728 | 4,305 | 4,058 | 6,520 | 7,795 | no data | 5,960 |
| Germany | no data | no data | no data | no data | no data | no data | no data | no data | 0,500* | 1,500* | >4,000* |
| Great Britain ¹ | <1,000 | no data | <0,300 | <1,000 | <1,000 | >1,000 | 1,000 | 1,000* | >1,500* | 6,780* | 6,420 |
| Hungary | 0,038 | 0,070 | 0,208 | 0,210 | 0,000 | 0,180 | 0,350 | 0,000 | 0,014 | 0,046 | 0,002 |
| Ireland | no data | no data | no data | no data | no data | no data | no data | no data | 0,200 | 0,250 | 0,650* |
| Lithuania | no data | no data | no data | no data | no data | no data | no data | no data | no data | 0,543 | 0,760 |
| Netherlands | 0,133 | 0,100 | 0,100* | 0,060 | no data | no data | no data | no data | no data | no data | no data |
| Norway | 0,540 | 0,592 | 0,502 | 0,869 | 1,339 | 1,740 | 1,851 | 1,754 | 1,687 | 1,600 | 1,747 |
| Portugal | no data | no data | no data | no data | no data | 0,100 | 0,500 | 1,010 | 0,200 | 0,100 | 0,100 |
| Slovakia | no data | 0,014 | 0,035 | 0,050 | 0,030 | 0,035 | 0,004 | 0,011 | 0,100* | 0,104* | 0,030* |
| Slovenia | 0,000 | 0,000 | 0,000 | 0,050 | 0,002 | 0,000 | 0,040 | 0,001 | 0,160 | 0,190 | 0,300 |
| Spain | 0,140 | 0,140 | 0,060 | 0,200 | 0,180 | 0,380 | 0,500 | 0,650 | 0,450 | 0,650 | 0,560 |
| Switzerland | 0,388 | no data | no data | no data | no data | 0,500 | no data | no data | no data | 0,030 | no data |
| Turkiye | no data | 0,080 | 0,151 | 0,077 | 0,000 | 0,000 | 0,000 | 0,000 | 0,130 | 0,000 | 0,000 |

| | | | | | | | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|------|---------|---------|---------|
| USA ² | 103,0 | 109,0 | 106,0 | 133,0 | 143,0 | 150,0 | 169,0 | 85,0 | no data | no data | no data |
|------------------|-------|-------|-------|-------|-------|-------|-------|------|---------|---------|---------|

* Data not available. Estimated based on historic data.

¹ Figures from Great Britain are estimated (data not provided from all MPA members and extrapolated).

² Figures from USA up to 2020 include also the production of asphalt at HMA temperature but using WMA technologies. The values of WMA actually produced at reduced temperature were 72,1 Mt in 2018, 72,0 Mt in 2019 and 84,0 Mt in 2020. The figure in 2021 refers to WMA at reduced temperature.

TABLE 4(B). COLD BITUMINOUS MIXES

PRODUCTION OF COLD BITUMINOUS MIXES FROM 2014 TO 2024 (IN TONNES)

Cold Bituminous Mixtures: the aggregate is not heated before being mixed with the binder. Considered only mixes manufactured at ambient temperature, with emulsion, including in-plant re-use and excluding in-situ re-use.

| Country | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|
| Austria | no data | no data | no data | no data | no data | no data | no data | no data | no data | no data | no data |
| Belgium | no data | 20.000 | 20.000 | 10.000 | 5.000 | no data | no data | 15.000 | 14.399 | 7.000 | 20.000* |
| Croatia | no data | no data | no data | no data | no data | no data | no data | 0 | no data | 0 | 0 |
| Czech Rep | 40.000 | 5.400 | 5.000 | 4.000 | 4.000 | 6.000 | 6.000 | 7.000 | 6.000 | 8.000 | 8.000 |
| France | 1.418.000 | 1.808.000 | 1.858.000 | 1.977.000 | 1.975.000 | 1.622.000 | 1.741.000 | 2.220.000 | 1.744.000 | no data | 1.570.000 |
| Hungary | 40.000 | 60.000 | 30.000 | 50.000 | 50.000 | 60.000 | 70.000 | 40.000 | 0 | 50.000 | 0 |
| Lithuania | no data | no data | no data | no data | no data | no data | no data | no data | no data | 13.976 | 100 |
| Portugal | no data | no data | no data | no data | no data | 30.000 | 50.000 | 30.000 | 30.000 | 42.000 | 100.000 |
| Romania | no data | no data | no data | no data | no data | 8.000 | 109.000 | 109.000* | 11.000 | no data | no data |
| Slovakia | 0 | 1.000 | 2.400 | 1.000 | 1.000 | 3.000 | 0 | 600 | 417 | 650* | 40.000 |
| Spain | 150.000 | 94.000 | 190.000 | 80.000 | 100.000 | 110.000 | 110.000 | 83.000 | 45.000 | 130.000 | 120.000 |
| Sweden | 100.000 | 100.000 | no data | no data | no data | no data | no data | no data | no data | no data | no data |
| Switzerland | 25.000 | no data | no data | no data | no data | no data | no data | no data | no data | <1000 | no data |
| Turkiye | no data | no data | no data | no data | no data | no data | no data | no data | no data | <20.000 | no data |

* Data not available. Estimated based on historic data.

TABLE 4(C). SURFACE TREATMENTS

APPLICATION OF SLURRY SEAL (SS) & MICRO-SURFACING (MS) AND SURFACE DRESSING (SD) IN 2024 (IN MILLION M²)

| Country | Slurry Seal & Micro-Surfacing | Trend '23/'24 | Surface Dressing |
|----------------|-------------------------------|---------------|------------------|
| Czech Republic | 1,40 | = | 0,50 |
| Denmark | 0,00 | = | 2,40 |
| Estonia | no data | no data | 9,35 |
| Great Britain | no data | > | 38,50 |
| Hungary | 0,00 | = | 0,00 |
| Norway | 0,00 | = | <0,1 |
| Portugal | 1,00 | = | 0,10 |
| Romania | 0,01 | > | 0,08 |
| Slovakia | 0,4* | = | no data |
| Spain | 33,60 | = | 5,10 |
| Turkiye | no data | no data | 75,90 |

* Data not available. Estimated based on historic data.

TABLE 5. RE-USE AND RECYCLING

RE-USE AND RECYCLING OF RECLAIMED ASPHALT IN 2024

| Country | Total amount of site-won asphalt generated in 2024 in tonnes | Amount of reclaimed asphalt available to be used by the asphalt industry in 2024 in tonnes | % of available reclaimed asphalt used in | | | | | | | Total Re-use | Total Recycling | Put to Landfill/Other Application/Unknown | |
|---------------|--|--|--|----------------------------------|--------------------------|------------------------|---------------------|--------------------------------------|--|--------------|-----------------|---|----|
| | | | Hot and Warm Mix Asphalt Production | Half Warm Mix Asphalt Production | On-Site Cold Recycling** | Plant Cold Recycling** | Unbound Road Layers | Other Civil Engineering Applications | Put to Landfill /Other Applications/ Unknown | | | | |
| Austria | 2.200.000 | no data | no data | no data | no data | no data | no data | no data | no data | no data | 50 | 45 | 5* |
| Belgium | 2.000.000* | 1.350.000 | no data | no data | no data | no data | no data | no data | no data | no data | 65 | 30 | 5 |
| Croatia | 320.000* | 300.000* | 27 | 0 | 0 | 15 | 45 | 0 | 13 | 27 | 60 | 13 | |
| Czech Rep | 2.900.000 | 2.500.000 | 30 | no data | 25 | no data | 10 | 5 | 30 | 55 | 15 | 30 | |
| Denmark | 1.374.000* | 1.174.000 | no data | no data | no data | no data | 2 | no data | no data | 97 | 3 | no data | |
| Estonia | no data | 28.976 | no data | no data | no data | no data | no data | no data | no data | 100 | 0 | 0 | |
| France | 9.529.600 | 8.200.000 | 76 | no data | 5 | 5 | no data | no data | no data | 86 | 14 | 0 | |
| Germany | 14.100.000 | 12.900.000 | 87 | 4 | 0 | 0 | 8 | 0 | 1 | 91 | 8 | 1 | |
| Great Britain | 5.260.000 | no data | no data | no data | no data | no data | no data | no data | no data | 100*** | | 0 | |
| Hungary | 214.333 | 310.734 | 96 | 0 | 0 | 0 | 3 | 1 | 0 | 95 | 4 | 1 | |
| Ireland | 600.000* | 600.000* | 70* | no data | no data | no data | no data | no data | no data | 65* | 20* | 15* | |
| Italy | 17.000.000 | 10.400.000 | no data | no data | no data | no data | no data | no data | no data | no data | no data | no data | |
| Norway | 1.642.000 | 1.039.000 | 63 | 0 | 0 | 0 | 30 | no data | 0 | 63 | 37 | 0 | |
| Slovenia | 450.000* | 145.000 | 45 | 0 | 11 | 0 | 15 | 14 | 15 | 56 | 29 | 15 | |
| Spain | 2.750.000 | 2.350.000 | 72 | 0 | 5 | 0 | 22 | 1 | 1 | 78 | 21 | 1 | |
| Switzerland | 1.650.000* | no data | 89* | <1%* | <1%* | <1%* | <2%* | <3%* | 6* | 89* | 5* | 6* | |
| Turkiye | 2.214.400 | 1.993.000 | 1 | 0 | 0 | 0 | 99 | 0 | 0 | 1 | 99 | 0 | |

* Data not available. Estimated based on historic data.

** Cold recycling includes stabilisation with bitumen emulsion, foamed bitumen and/or cement.

Site-won asphalt is material in the form of milled asphalt road layers or as slabs ripped up from asphalt pavements, or being asphalt from reject, surplus or failing production. These materials will require assessment and often processing before being suitable as a constituent material.

Reclaimed asphalt (RA) is the processed site-won asphalt, suitable and ready to be used as constituent material for asphalt, after being tested, assessed and classified according to the standard EN 13108-8. Processing can include one or more of: milling, crushing, sieving (screening), blending, etc.

Asphalt re-use: operation by which reclaimed asphalt (RA) is reincorporated into the pavement, with the aggregates and the aged bituminous binder performing the same function as in their original application. Note: This is independent of manufacturing temperature, road layer, etc. Hence, it would include, for example, the manufacturing of cold mix asphalt from former warm or hot mix asphalt.

Asphalt recycling: operation by which reclaimed asphalt (RA) is used as foundation, fill or road material, with the recovered aggregate and bitumen performing a lesser (or alternative engineering) function than in the original application. Note: This means that, traditionally, the term "recycling" has been mistakenly used to also refer to "re-use" operations.

*** Available data in Great Britain indicates that all RA received is either re-used or recycled, although separate figures were not possible to determine. It is estimated that % of re-use is increasing.

TABLE 6. COMPANIES IN THE ASPHALT INDUSTRY

COMPANIES IN THE ASPHALT INDUSTRY IN THE PERIOD 2022 - 2024

| Country | Production only | | | Production & Laying | | | Laying only | | |
|---------------|-----------------|---------|---------|---------------------|------|---------|-------------|---------|---------|
| | 2022 | 2023 | 2024 | 2022 | 2023 | 2024 | 2022 | 2023 | 2024 |
| Austria | no data | no data | no data | 66 | 66 | 66 | no data | no data | no data |
| Belgium | 0 | 3 | 0 | 37 | 37 | 36 | no data | no data | 100+* |
| Croatia | no data | no data | 0 | 40 | 40 | 40 | 6 | 0 | 10 |
| Czech Rep | 34 | 28 | 32 | 19 | 22 | 20 | >40 | >40 | >40 |
| Denmark | 0 | 0 | 0 | 6 | 6 | 6 | ~10 | ~10 | ~10 |
| Estonia | 2 | 2 | 1 | 7 | 6 | 5 | 17 | 16 | 17 |
| France | 0* | 0* | 0 | 30* | 30* | 125 | 1383* | 1383* | 1067 |
| Germany | 255 | 250 | 235 | 140 | 137 | 131 | >3000 | >3000 | >3000* |
| Great Britain | 10 | 10 | 10* | 25* | 25 | 25* | >200* | >200 | >200* |
| Hungary | 2 | 2 | 2 | 37 | 38 | 34 | 55 | 58 | 50 |
| Ireland | 1 | 1 | 1 | 23 | 24 | 25 | 20* | 20* | 20* |
| Italy | 10 | 10 | 10 | 390* | 390 | 390 | >2,500* | >2,000 | >2,000 |
| Norway | 1 | 1 | 1 | 10 | 11 | 11 | no data | >100 | >100 |
| Portugal | 7 | 9 | 8 | 71 | 105 | 71 | 36* | no data | no data |
| Slovakia | 2 | 4 | 4* | 30 | 12* | 12* | 5 | no data | no data |
| Slovenia | 2 | 2 | 2 | 16 | 16 | 16 | >35 | >35 | >35 |
| Spain | 6 | 6 | 6 | 225 | 225 | 225 | 150 | 150 | 150 |
| Switzerland | no data | 50* | 50* | no data | 30* | no data | no data | >400* | no data |
| Turkiye | 10 | 10 | 10 | 332 | 332 | 332 | >100 | >100 | >100* |

* Data not available. Estimated based on historic data.

TABLE 7. PRODUCTION SITES

NUMBER OF PRODUCTION SITES IN THE PERIOD 2022 - 2024

| Country | Stationary Plants | | | Mobile plants | | | All plants that are fit for hot and warm recycling**** | | |
|-------------------|-------------------|------|---------|---------------|---------|---------|--|---------|---------|
| | 2022 | 2023 | 2024 | 2022 | 2023 | 2024 | 2022 | 2023 | 2024 |
| Austria | 114 | 113 | no data | no data | no data | no data | 100 | 100* | no data |
| Belgium | 37 | 36 | 36 | 0 | 0 | 0 | 34 | 30 | 31 |
| Croatia *** | 56 | 56* | 57 | 1 | 1* | 1 | 22 | 22* | 28 |
| Czech Rep | 104 | 104 | 104 | 2 | 2 | 2 | 80 | 80* | 82 |
| Denmark | 35 | 34 | 34 | no data | no data | no data | 34 | 33 | 33 |
| Estonia | 11 | 11 | 11 | 11 | 11 | 9 | 19 | 19 | 17 |
| France *** | 421 | 421* | 429 | 38 | 38* | 31 | >370 | >370* | >400 |
| Germany | 534 | 535 | 526 | no data | no data | no data | 530 | 530 | 526 |
| Great Britain *** | 273 | 270 | 265* | no data | no data | no data | 150* | 160* | 160* |
| Hungary | 89 | 90 | 90 | 4 | 4 | 4 | 51 | 53 | 43 |
| Ireland | 43 | 44 | 45 | no data | no data | no data | 24 | 24 | 25 |
| Italy *** | 390* | 390 | 390 | 10* | 10* | 10 | 400* | 400 | 400 |
| Lithuania | no data | 22 | 13 | no data | 0 | 2 | no data | 5 | 10 |
| Norway | 75 | 65 | 60 | 4 | 10 | 10 | 72 | 72* | >10 |
| Portugal *** | 90 | 93 | 97 | 22 | 21 | 21 | 42 | 50 | 60 |
| Romania | 7 | 7* | 7* | 7 | 7* | 7* | no data | no data | no data |
| Slovakia | 50 | 49* | 49* | 4 | no data | no data | 0 | no data | no data |
| Slovenia | 16 | 16 | 16 | 2 | 2 | 2 | 6 | 6 | 6 |
| Spain | 325 | 325 | 325 | 70 | 70 | 70 | 127 | 146 | 146 |
| Switzerland | no data | 110* | 110* | no data | 5 | 5* | no data | 90 | 90* |
| Turkiye *** | 144 | 144 | 144 | 523 | 523 | 523 | no data | no data | no data |

* Data not available. Estimated based on historic data.

** One or more plants are operated and owned by the road administration.

*** One or more plants are operated and owned by the road administration and/or municipalities.

**** Total of stationary and mobile plants. This can be all types, e.g. batch plants and/or drum mixer plants and/or plants with parallel drum.

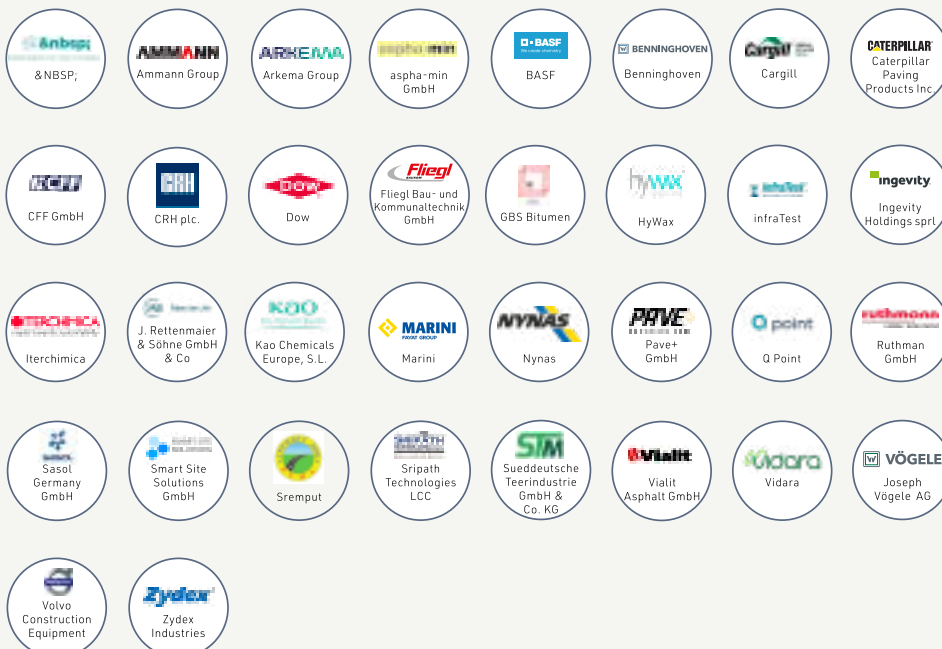
INTERESTING SITES

| | |
|--|--|
| www.eapa.org | European Asphalt Pavement Association |
| www.sdruzeni-silnice.cz | Czech Road Contractors Association |
| www.asfaltindustrien.dk | Danish Asphalt Pavement Association |
| www.vbwasfalt.nl | Dutch Asphalt Pavement Association |
| www.asfaldiliit.ee | Estonian Asphalt Pavement Association |
| www.infra.fi | Infra Contractors' Association, Finland |
| www.routesdefrance.com | Routes de France |
| www.asphalt.de | German Asphalt Association |
| www.gestrata.at | Gestrata, Austria |
| www.hapa.hu | Hungarian Asphalt Pavement Association |
| www.siteb.it | Italian Asphalt Association |
| www.asphaltireland.ie | Irish Asphalt Pavement Producers Association |
| www.eba.no | EBA - Norwegian Contractors Association |
| www.pswana.pl | Polish Asphalt Pavement Association |
| www.apdp.ro | Professional Association of Roads and Bridges of Romania |
| www.asphaltsuisse.ch | Asphaltsuisse |
| www.saaav.sk | Slovakian Asphalt Pavement Association |
| www.zdruzenje-zas.si | Slovenian Asphalt Pavement Association |
| www.asefma.es | Spanish Asphalt Association |
| www.asnud.org.tr | Turkish Asphalt Contractors Association |
| www.mineralproducts.org | Mineral Products Association (MPA Asphalt), UK |
| www.vegagerdin.is | Icelandic Road Administration |
| www.pch.public.lu | L'administration des Ponts et Chaussées Luxembourg |
| www.lra.lt | Lithuanian Road Administration |
| www.h-a-d.hr | Croatian Asphalt Association |
| www.highway.rs | Highway Institute Serbia |
| www.asphaltpavement.org | US National Asphalt Pavement Association |
| www.ohmpa.org | Ontario Hot Mix Producers Association |

MEMBERS



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