



DRIVING AHEAD WITH SUSTAINABLE ASPHALT ROADS

EUROPEAN ASPHALT PAVEMENT ASSOCIATION
RUE DE COMMERCE 77 - 1040 BRUSSELS - BELGIUM - TEL: +32 2 502 5888 - FAX: + 32 2 502 2358 - E-MAIL: INFO@EAPA.ORG

European Asphalt Pavement Association

Rue du Commerce 77

1040 Brussels – Belgium

Email: info@eapa.org

www.eapa.org



DRIVING AHEAD WITH SUSTAINABLE ASPHALT ROADS

EUROPEAN ASPHALT PAVEMENT ASSOCIATION

RUE DE COMMERCE 77 - 1040 BRUSSELS - BELGIUM - TEL: +32 2 502 5888 - FAX: + 32 2 502 2358 - E-MAIL: INFO@EAPA.ORG

The purpose of the European Asphalt Pavement Association (EAPA) is to be the trusted voice of the European asphalt paving industry

With 39 Members and Associated Members, EAPA already represents the majority of the asphalt pavement industry and engages in asphalt road construction and maintenance in the whole of Europe

The European Road Network



- The European road network consists of national roads (motorways), regional roads and local roads
- The total length of this network sums up to more than 5,5 million kilometres from which 66,700 km of classified as motorways
- Today more than 80% of motorised inland passenger transport is using the road – not taking into account cycling and walking
- More than 70% of all inland freight transport in the European Union is transported on roads; for its total journey or partly
- More than 90% of the European Road network is surfaced with asphalt
- More than 10.000 companies in Europe are dealing with the production and paving of asphalt
- Asphalt Pavements are easy to maintain, quick to construct and provide a safe and quite ride
- In Europe there are about 4700 asphalt plants, in 2016, and these asphalt plants produced about 285 million tons of asphalt pavement material



How does EAPA work

**Lobby and
events**



<u>LIST OF CONTENT</u>	<u>PAGE#</u>
<u>INTRODUCTION</u>	<u>04</u>
<u>EAPA COMMITTEES</u>	<u>06</u>
EAPA General Council Assembly	06
EAPA HSE Committee	08
EAPA Technical Committee	10
<u>EAPA SYMPOSIUM 2017</u>	<u>12</u>
<u>EAPA AND SOCIAL MEDIA</u>	<u>16</u>
<u>NEWS FROM BRUSSELS</u>	<u>18</u>
<u>EAPA-EUROBITUME ACTIVITIES</u>	<u>24</u>
Asphalt Advantages	24
E&E Event 2018	26
<u>EUROPEAN STANDARDISATION</u>	<u>28</u>
CEN TC227 WG1 Bitumen mixtures	28
CEN TC227 WG6 Sustainability	30
CEN TC227 Road materials	32
CEN TC336 WG1 Bitumen	34



COMMITTEES

- **Technical Committee (TC)**
- **Health, Safety and Environment Committee (HSE)**
- **Directors' Group (DIR)**
- **Executive Committee (ExCo)**
- **Asphalt Plant- & Equipment Manufacturers Group (AP&EM)**
- **Task Group Carbon Footprint Document (CFD)**
- **Task Group Rejuvenators**
- **Joint Committees with Eurobitume**
- **GAPA Meeting**



HEALTH ITEMS

- **Bitumen Fumes and Aerosols**
 - Norwegian Study on Lung Function
 - German Bitumen Forum
 - Measuring asphalt fumes
 - Benzene/PAH in asphalt- Reclaimed Asphalt
 - -Metastudy of Eurobitume & AI for Mastic Asphalt
 - Differentiation of Air Rectified and Oxidized Bitumen
 - -Ongoing Studies
- **Silica Dust**
- **Asbestos**

- **Meetings Technical Committee EAPA**

15.10.2015	Brussels	Joint TC with Eurobitume
22.10.2015	Paris	EAPA TC (<i>Poymer Modified Binders</i>)
09.02.2016	Paris	JTF „Binder Ageing“ with Eurobitume
17.03.2016	Brussels	Joint TC with Eurobitume
07.04.2016	Oslo	EAPA TC
13.10.2016	Paris	EAPA TC (<i>Product Standards</i>)
06.04.2017	Berlin	EAPA TC (<i>Ageing of bitumen</i>)
08.06.2017	TelCo	Task Group „Rejuvenators“

Standardisation

EAPA is active in:

CEN TC227 'Road materials'

CEN TC227 Chairmen's panel

CEN TC227 WG1 'Bituminous mixtures' (convenor)

CEN TC227 WG6 'Sustainability'

CEN TC336 "Bitumen"

CEN TC336 WG1 'Bitumen for paving grade bitumen'

CEN TC336 WG1 TG5 'Revision of PMB standard'

CEN TC336 WG1 TG7 'Revision of Paving Grade Bitumen standard'

By being at the table EAPA can directly influence the European standards related to asphalt and its main constituent material(s).

- **Working together with Europe's like-minded organisations**

- Eurobitume



- European Road Federation (ERF)



- European Construction Industry Federation (FIEC)



- European Aggregates Association (UEPG)



- Forum of European National Highway Research Laboratories (FEHRL)



- Committee for European Construction Equipment



- **Working together with Europe's like-minded organisations**

- European Committee for Standardisation (CEN)
- European Construction Forum (ECF)
- European Road Transport Research Advisory Council (ERTRAC)
- Construction Products Europe (former CEPMC)
- European Council for Construction Research, Development and Innovation (ECCREDI)



- **Working together with Europe's policy makers**
 - European Parliament, Members of European Parliament, Members of the Transport Committee, etc.
 - European Commission, e.g. Directorate-General (DGs) like
 - DG MOVE: Mobility and Transport
 - DG GROW: Internal Market, Industry, Entrepreneurship and SMEs
 - DG ENV: Environment



Meeting with members of European Parliament (MEP)

On 17th November 2016 EAPA, UEPG and Eurobitume had a parliamentary debate in the European Parliament in Brussels, hosted by the (MEP) Wim van de Camp

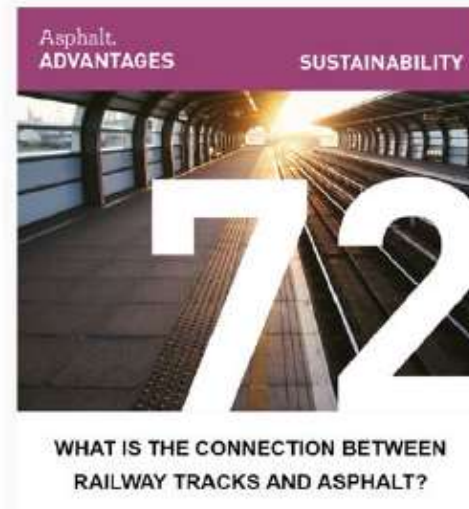




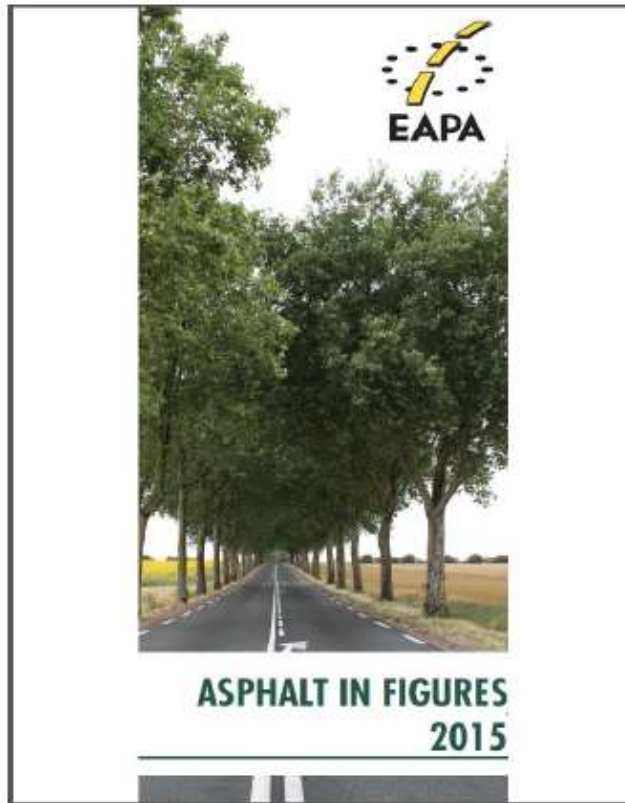
Asphalt. **ADVANTAGES**

ACTIVITIES

- **EAPA-Eurobitume Task Force**
“Providing Evidence Asphalt Advantages”
 - Website now in English, German, French and Turkish
 - Stakeholder consultation



- **Providing Statistical Data**



TOTAL PRODUCTION

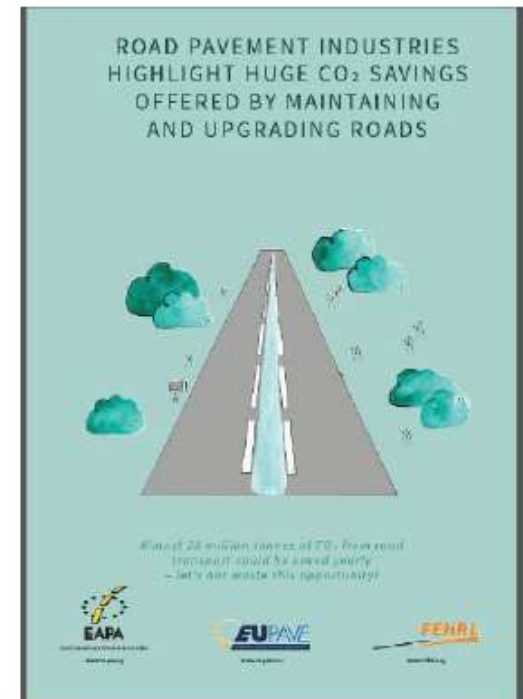
TOTAL PRODUCTION OF HOT AND WARM MIX ASPHALT FROM 2008 TO 2015 (in million tonnes)

Country	2008	2009	2010	2011	2012	2013	2014	2015
Austria	9.5	9.0	8.2	8.0	7.2	7.0	7.2	7.2
Belgium	4.9	4.7	4.8	5.9	5.6	5.3	5.2	5.0
Croatia	4.2	3.2	2.7	2.0	2.5	2.8	2.3	2.2
Czech Republic	7.3	7.0	6.2	5.8	5.6	5.4	6.4	6.0
Denmark	3.1	2.7	3.2	4.0	3.6	3.7	3.7	3.7
Estonia	1.5	1.2	1.1	1.3	1.1	1.2	1.3	1.5
Finland	6.0	5.2	4.9	5.0	4.5	4.5	4.7	5.4
France	41.8	40.1	38.8	39.2	35.3	35.4	31.9	31.5
Germany	51.0	55.0	45.0	50	41	41.0	39.0	39.0
Great Britain	25.0	20.5	21.5	22.4	18.5	19.2	20.6	21.9
Greece	8.1	8.7	5.2	2.3	1.6	2.7	2.7*	2.5*
Hungary	2.5	1.6	3.4	2.3	2.5	2.7	3.8	3.9
Iceland	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.3
Ireland	2.8	3.3	2.3	1.8	1.9	1.8	1.8	1.9
Italy	34.5	34.9	29.0	28	29.2	22.3	22.3	23.1
Latvia	0.6*	0.6*	0.6*	0.6*	0.6*	0.6*	0.6*	0.6*
Lithuania	2.2	1.5	1.6	1.6	1.3	1.3*	1.3*	1.6
Luxembourg	0.6*	0.6	0.7	0.65	0.61	0.7	0.7*	0.7
Netherlands	9.3	9.8	9.5	9.6	9.2	9.7	9.0	8.0
Norway	5.7	6.5	5.9	6.7	6.3	6.4	7.0	6.9
Poland	15.0	18.0	18.0	24.5	21.1	18.2	16.3	18.5
Portugal	9.0*	9.0*	6.7	6.4	6.4*	6.4*	6.4*	6.4*
Romania	3.3	3.6	3.2	3.6	3.2	4.1	4.5	4.5*
Serbia	no data	no data	no data	no data	no data	no data	1.3	1.3
Slovakia	2.2*	3.2	1.9	2.2	1.9	1.6	1.5	2.7
Slovenia	2.6	2.3	1.8	1.3	1.1	1.2	1.4	1.6
Spain	42.3	39.0	34.4	29.3	19.5	13.2	14.5	16.4
Sweden	8.7	8.1	7.9	8.1	7.7	7.6	8.5	8.2
Switzerland	5.3	5.4	5.3	5.4	4.8	4.8	6.5	6.5*
Turkey	24.6	23.1	35.3	43.5	38.4	46.2	38.9	37.9
EU-28	300.0	291.8	262.6	268.5	226.7	219.7	217.7	225.9
Europe	338.0	326.9	309.3	324.3	276.4	277.3	263.7	278.8
Australia	9.5	9.5*	7.5	no data	8.8	no data	9.1	no data
New Zealand	no data	no data	no data	no data	1.0	1.0	no data	no data
Japan	49.6	49.6	44.7	45.6	47.3	49.0	45.0	41.9
Ontario - Canada	13.2*	13.2*	14	13.5	13.0	no data	13.8	14.2
USA	440	324	326	332	326.9	318.1	319.0	331.0
South Africa	no data	no data	no data	5.7	5.7	5.5	5.4	6.8
South Korea	no data	35.0	20.7	no data	23.2	26.2	no data	no data



CO₂ emissions reduction in the transport sector

- Possibilities to reduce CO₂ emissions by cars and trucks by having well maintained smooth roads
- EAPA-EUPAVE-FEHRL paper
- Adequate road maintenance lowers rolling resistance (evenness)
- Surfaces with low rolling resistance (Innovations)





ASPHALT ADVANTAGES

Asphalt. ADVANTAGES

HOME ABOUT ASPHALT NEWS CONTACT US

GET THE ADVANTAGES OF ASPHALT PAVEMENT

The advantages of asphalt simply add up to superior value. Asphalt is safe, smooth, durable and sustainable.

LEARN MORE

Learn about the advantages of choosing asphalt. Search for something of interest.

Type a keyword or phrase

SEARCH

SUSTAINABILITY COMFORT SAFETY ECONOMICS

Twitter | Loading tweets...

ADVANTAGE 30

Noise reducing asphalt stops noise at its source and saves money.

✓ 4 People found this useful

ADVANTAGE 25

Recycling plays a major role in saving natural resources.

✓ 2 People found this useful

RECENT ASPHALT NEWS

Road Asset Management position paper in response to chronic road infrastructure underfunding, which is leading to a severe deterioration in the quality of Europe's road network.

Continued Reading

4 Themes for the Asphalt Advantages