

AGGREGATE INDUSTRIES

Asphalt

Airmat®



A stone mastic asphalt (SMA) derivative designed to meet both Defence Estates and BAA specifications for SMA. The product is suitable for use in airfield taxiways, aprons and runways where its tough and durable properties provide an economic alternative to traditionally specified Marshall asphalt.

Economic alternative to Marshall Asphalt **Key performance properties**

- Widely available
- Tough and durable
- Good texture that does not require grooving - appropriate for light runway use
- Airmat has been used successfully for many regional and major airports.

10 mm Airmat (BAA specification)

Property	Specification	Results
Compacted bulk density (Mg/m ³)	No requ't	2.370
Allowable air void range per individual specimen (%)	1.5-4.5	2.9-3.4
Mean air voids (%)	2.0-4.0	3.1
Wheel-tracking rate (mm/hr) (at 60°)	2.0 max	1.6
Wheel-tracking depth (mm) (at 60°)	4.0 max	3.2
Mean ITSM (MPa)	No requ't	2315
Texture depth (individual test)	0.9+/-0.4	1.3

Applications

- Airfield taxiways
- Airfield aprons
- Runways on smaller airports.

Layer

Surface and binder course.



Sustainability and local sourcing

Energy use: Aggregate Industries is at the forefront of sustainability and has committed to reduce carbon emissions by 20% by 2016 based on a 2012 base line.

Recyclable: 100% of the product can be recycled thus reducing the amount of material that is sent to landfill.

Manufacturing location: Produced in the UK, under strict environmental and social legislation.

Responsible sourcing: Aggregate Industries is the first company in the world to achieve a BES 6001:2008 Responsible Sourcing Certificate from BRE Global. Products are assessed on:

- quality management
- environmental management
- health and safety management
- greenhouse gas emissions
- minimising raw material usage
- labour practice
- biodiversity
- community engagement.

Aggregate

Airmat is available using a range of standard aggregates in 14mm binder course & 10mm surface course nominal sizes.

Binder

Standard grade, 50pen bitumen. Aggregate Industries approved polymer modified and fuel resisting binders for more demanding applications.

Skid resistance

Airmat is available with a wide range of good quality surface aggregates and good levels of friction can be obtained when the appropriate aggregate is matched to the application and its predicted use.

Manufacturing standard

All Aggregate Industries' products are manufactured in accordance with ISO 9001 and Highway Sector Scheme 14 with factory compliance to ISO 14001.

Policies

Aggregate Industries' policies on the environment and community, health and safety and sustainable solutions for different product applications can be viewed on our website www.aggregate.com

Health and safety: COSHH data

Full COSHH data on asphalt products is available on request. Please call the technical helpline on 0845 600 0860

Technical support

Detailed guidance and assistance with the preparation of specification and use of Bardon Asphalt products is available through the sales office. A free technical service is also available.

For further information, please refer to our asphalt technical services on 0845 600 0860.

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