

WARM-MIX ASPHALT

Position Statement

The Global Asphalt Pavement Alliance (GAPA) is comprised of multi-national and national asphalt pavement associations throughout the world. We recognize the asphalt industry as the ultimate steward of our own product in terms of quality, performance, safety, and environmental benefit. In an effort to improve its already excellent environmental performance record, the GAPA supports the development and implementation of warm-mix asphalt.

Warm-mix asphalt is the term used to describe a class of technologies employed to reduce the production and paving temperature of asphalt mixtures by 10 to 40 degrees centigrade. This temperature reduction may be effected through the use of mineral or organic additives or by mechanical means to introduce foaming into the production of asphalt mixtures. Warm-mix asphalt has been recognized as an environmentally friendly method to produce asphalt mixtures with the following benefits:

- Higher product quality through better consistency and improved compaction
- Sustainability through reduced energy consumption and better performance
- Improved air quality through reduced emissions
- Reduced climate impact through reduced greenhouse gas generation
- Economic advantage through an extended paving season and longer haul distances
- Improved working conditions through the reduction of fumes and the reduction of temperature

The effectiveness of this green technology has been proven through ongoing implementation in Europe and the United States. This will inevitably become the standard practice for asphalt mixture production. We encourage others within the industry as well as our agency partners in all countries to become informed about warm-mix asphalt technology and to begin a path toward its implementation.

Australian Asphalt Pavement Association
European Asphalt Pavement Association
Japan Road Contractors Association
National Asphalt Pavement Association, USA
Southern African Bitumen Association