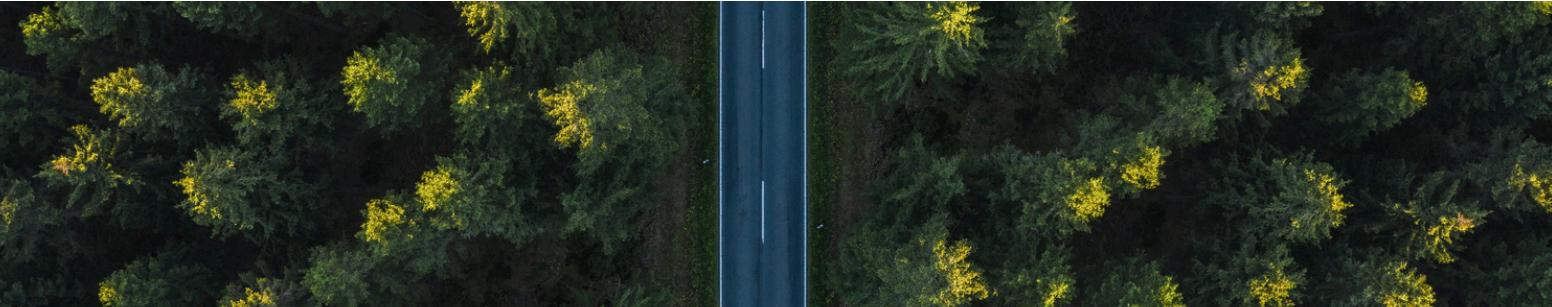




Environmental Product Declarations for Paving Contractors



What Are Environmental Product Declarations (EPDs)?

Environmental Product Declarations (EPDs) are standardized documents that provide detailed information about the environmental impact of a product throughout its lifecycle. For asphalt mixtures, EPDs quantify the greenhouse gas emissions, energy use, water consumption, and other environmental impacts associated with the production of one ton of asphalt mix. EPDs are based on a Life Cycle Assessment (LCA) methodology and are developed in accordance with international standards such as ISO 14025 and ISO 21930.

Why Should Paving Contractors Care About EPDs?

Regulatory Compliance

Increasingly, federal, state, and local agencies are adopting policies that require or encourage the use of EPDs. These policies aim to reduce the environmental footprint of construction projects.



Market Advantage

Contractors who can provide EPDs may have a competitive edge in bidding for projects that prioritize environmental sustainability.



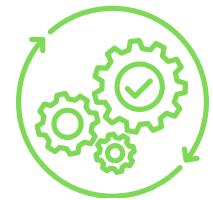
Transparency & Accountability

EPDs offer a transparent and verifiable way to demonstrate a commitment to sustainable practices.



Operational Improvements

The data collected for EPDs can help identify areas where operational efficiencies and cost savings can be achieved.



State-Level and National Adoption

State-Level Adoption

Minnesota is at the forefront of adopting sustainable practices in pavement construction. The Minnesota Department of Transportation (MnDOT) is actively integrating EPD requirements into its procurement processes, and **is required to do so by 2028**. MnDOT's commitment to sustainability has led to the inclusion of EPDs in pilot projects, with plans to expand their use across the state. By using EPDs, Minnesota aims to minimize the environmental impact of its infrastructure projects and promote the use of recycled materials.



National Trends

Across the United States, there is growing momentum for the adoption of EPDs in the construction sector. The Federal Highway Administration (FHWA) encourages the use of EPDs through its [Sustainable Pavements Program](#). Several states have enacted "Buy Clean" policies that mandate the submission of EPDs for construction materials, including asphalt.

EPDs in Practice: How to Get Started

Data Collection

Begin by collecting data on the materials and energy used in the production of your asphalt mixes. This includes raw material sourcing, transportation, and manufacturing processes.

Software Tools



Utilize software tools like [NAPA's Emerald Eco-Label](#) software to create and publish EPDs. These tools simplify the process and ensure compliance with the standards.

Implementation



Integrate EPDs into your project proposals and bids. Highlight the environmental benefits of your asphalt mixes to differentiate your company in a competitive market.

Contact Information

To get started and learn more about EPDs visit www.AsphalPavement.org/EPD

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