



# Stone Matrix Asphalt: Theory and Practice

By Krzysztof Blażejowski

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**Stone Matrix Asphalt: Theory and Practice** By Krzysztof Blażejowski

In the years since the development and subsequent success of Stone Matrix Asphalt (SMA), a plethora of articles have emerged, scattered throughout various publications. The time is right for a comprehensive resource that collects, examines, and organizes this information and makes it easily accessible. A compilation and distillation of the latest knowledge available, **Stone Matrix Asphalt: Theory and Practice** describes SMA, from its origin through implementation, and explores various methods and design approaches.

Detailing the requirements and materials for the mix, including asphalt binder, aggregates, and stabilizers, the book covers standard and alternative design methods and their execution, as well as best practices and production processes. It addresses issues such as permanent deformation and fatigue resistance, as well as special applications, such as bridge deck surfacing and airfields. The book uses practical examples to illustrate theory, presents practical tips useful in everyday work, and includes a review of problems that can occur during laydown, and their potential solutions.

Drawn from the author's extensive experience during the introduction of SMA in the early 1990s and discussions with many process engineers, the book provides the practical information needed to customize methods for individual applications of SMA. Blażejowski puts together a picture, drawn from a broad range of literature. The result: a reference that is handy, practical, and easy to use.

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## Stone Matrix Asphalt: Theory and Practice By Krzysztof Blazejowski Bibliography

- Sales Rank: #4951485 in Books
- Published on: 2010-11-03
- Original language: English
- Number of items: 1
- Dimensions: 9.21" h x .81" w x 6.14" l, 1.40 pounds
- Binding: Hardcover
- 343 pages

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