



Asphalt Materials and Mix Design Manual

By Irving Kett

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The purpose of this manual is to familiarize industry and students with the technology of asphalt in its several forms namely asphalt cement, cutback asphalt, and asphalt emulsions. The laboratory work is designed to develop an understanding of asphalt properties, characteristics, testing procedures, and specifications.

The procedures outlined are all derived from ASTM designations and practice as recommended by the Asphalt Institute. Where the particular ASTM method permits alternate procedures, the one more applicable to the available equipment and the teaching situation was chosen.

The manual consists of the following:

- ò 35 of the frequently used ASTM tests in Asphalt Binder and Mix Design.
- ò Sample computations and easy to use data sheets, most of which have been developed specifically for the manual.
- ò An up-to-date overview of Asphalt Technology including sources, historical development, and classifications of asphalt products.
- ò Easy to understand explanations for Voids Mineral Aggregate, Absorbed Asphalt, Effective Asphalt Content, Percent Air Voids, and Percent of Voids filled with Asphalt.
- ò A stand-alone asphalt manual, written specifically for university laboratory instruction, yet applicable for a commercial testing laboratory. Rarely will other reference materials need to be referred to.
- ò Dimensions in both the SI and the US Standard systems of measurement.
- ò An appendix with conversion factors, rules of safety and procedures, overview of SHRP SUPERPAVE, explanation of asphalt emulsions, and additional data sheets on single-sided pages.

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Asphalt Materials and Mix Design Manual By Irving Kett Bibliography

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Editorial Review

About the Author

Irving Kett is Professor of Civil Engineering at California State University, Los Angeles, where he developed the Asphalt Materials and Pavement Design Laboratory. He has also served with the United States Army Corps of Engineers since World War II, and retired in 1982. Dr. Kett is the recipient of the Ford Foundation Fellowship, the Eisenhower Faculty Transportation Fellowship, and is a Fellow of the American Society of Civil Engineers. He is also author of numerous publications in the Civil Engineering field.

Users Review

From reader reviews:

Kirsten Muncy:

This Asphalt Materials and Mix Design Manual usually are reliable for you who want to become a successful person, why. The explanation of this Asphalt Materials and Mix Design Manual can be one of many great books you must have is giving you more than just simple studying food but feed you actually with information that might be will shock your before knowledge. This book is handy, you can bring it all over the place and whenever your conditions in e-book and printed ones. Beside that this Asphalt Materials and Mix Design Manual giving you an enormous of experience including rich vocabulary, giving you demo of critical thinking that we understand it useful in your day task. So, let's have it and luxuriate in reading.

Dorothy Marr:

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Ray Shippee:

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