



W.G. Buttlar, A. Chabot, E.V. Dave, C. Petit, G. Tebaldi (Eds.)

# Mechanisms of Cracking and Debonding in Asphalt and Composite Pavements

State-of-the-Art of the RILEM TC 241-MCD

Series: RILEM State-of-the-Art Reports

- Represents new state of the art in MCD, twenty years after earlier publication
- Provides an indispensable resource for the future
- Published under the auspices of the prestigious RILEM society

Premature cracking in asphalt pavements and overlays continues to shorten pavement lifecycles and creates significant economic and environmental burden. In response, RILEM Technical Committee TC 241-MCD on Mechanisms of Cracking and Debonding in Asphalt and Composite Pavements has conducted a State-of-the-Art Review (STAR), as detailed in this comprehensive book. Cutting-edge research performed by RILEM members and their international partners is presented, along with summaries of open research questions and recommendations for future research. This book is organized according to the theme areas of TC 241-MCD - i.e., fracture in the asphalt bulk material, interface debonding behaviour, and advanced measurement systems. This STAR is expected to serve as a long term reference for researchers and practitioners, as it contributes to a deeper fundamental understanding of the mechanisms behind cracking and debonding in asphalt concrete and composite pavement systems.

1st ed. 2018, XXI, 237 p. 159 illus.

## Printed book

Hardcover

139,99 € | £119.99 | \$169.99

<sup>[1]</sup>149,79 € (D) | 153,99 € (A) | CHF 165,50

Softcover

139,99 € | £119.99 | \$169.99

<sup>[1]</sup>149,79 € (D) | 153,99 € (A) | CHF 165,50

## eBook

117,69 € | £95.50 | \$129.00

<sup>[2]</sup>117,69 € (D) | 117,69 € (A) | CHF 132,00Available from your library or [springer.com/shop](http://springer.com/shop)

## MyCopy <sup>[3]</sup>

Printed eBook for just

€ | \$ 24.99

[springer.com/mycopy](http://springer.com/mycopy)

Order online at [springer.com](http://springer.com) / or for the Americas call (toll free) 1-800-SPRINGER / or email us at: [customerservice@springernature.com](mailto:customerservice@springernature.com). / For outside the Americas call +49 (0) 6221-345-4301 / or email us at: [customerservice@springernature.com](mailto:customerservice@springernature.com).

The first € price and the £ and \$ price are net prices, subject to local VAT. Prices indicated with [1] include VAT for books; the €(D) includes 7% for Germany, the €(A) includes 10% for Austria. Prices indicated with [2] include VAT for electronic products; 19% for Germany, 20% for Austria. All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted. [3] No discount for MyCopy.

