1. Record Nr. UNISA990000879980203316

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| Autore | MOZZILLO, Atanasio |
| Titolo | Passaggio a Mezzogiorno : Napoli e il Sud nell'immaginario barocco e illuminista europeo / Atanasio Mozzillo |
| Pubbl/distr/stampa | Milano, : Leonardo, 1993 |
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| Titolo | Advanced testing and characterization of bituminous materials . Volume 1 : proceedings of the 7th International RILEM Symposium ATCBM09 on advanced testing and characterization of bituminous materials, Rhodes, Greece, 27-29 May 2009 / / editors, Andreas Loizos [and three others] |
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| Edizione | [1 ed.] |
| Descrizione fisica | 1 online resource (1336 p.) |
| Disciplina | 620.196 |
| Soggetti | Bituminous materials<br>Bituminous materials - Testing |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Title from content provider. |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Front cover; Table of contents; Preface; Organization; 1. Evaluation of binder properties; Laboratory study on interlayer bonding using cationic tack coats; Factors affecting recovered asphalt binder properties: A theoretical and experimental study; Influence of low temperature behaviour of PmB on life cycle; Influence of granular polymer additives on the asphalt quality; Phase angle determination |

and interrelationships within bituminous materials; Evaluation of initial road performance correlating with different tests of binders
Laboratory study of environmental performance of binders by headspace gas chromatographyNew fatigue test on bituminous binders and mastics using an annular shear rheometer prototype and waves propagation; Functional forms for master curve analysis of bituminous materials; Linear viscoelastic spectra of asphalt binders from DSR and BBR; Principal component analysis of rheological and hardening data from bituminous binders; Rheological and functional evaluation of the interactions between bitumen and rubber; A thermodynamic approach to healing in bitumen
Nanoclay for binder modification of asphalt mixturesFirst-principles investigation of the multiple phases in bituminous materials: The case of asphaltene stacking; The morphology of SBS modified bitumen in binders and in asphalt mix; 2. Testing and modeling the influence of climate and ageing effects; Developing a test method for the accelerated ageing of bituminous mixtures in the laboratory; Chemical characterization of laboratory and field bitumen aging in Porous Asphalt Concrete; Influence of temperature and aging on laboratory fatigue performance of asphalt mixtures
Aging of SBS polymer in hot and cold bituminous coatings. Relationship between microstructure and performances: Low temperatureImpact of freeze-thaw cycles on the performance of asphalt mixture based permeability; Formulation of authoritative temperature gradients for an analytical design process of flexible pavements using statistical tec; Performance evaluation of prepared gelled hot sealant in cold climates; Age hardening behaviour of bituminous stabilized materials; Investigation of friction properties of various road surfaces affecting road safety
Combined experimental and numerical analysis of moisture infiltration in the modified Lottman testAssessment of moisture effect on open graded mixes using water sensitivity and Cantabro after immersion tests; Moisture damage on bituminous stabilized materials using a MIST device; Determination of gradual reduction of the flexible pavement bearing capacity; Testing of low temperature behaviour of asphalt mixtures in bending creep test; Effect of beam size on the creep stiffness of asphalt mixtures at low temperatures
Assessment of water sensitivity of asphalt rubber mixtures for wearing course

Sommario/riassunto

Demonstrates that modern experimental material characterization techniques, sophisticated constitutive modeling, and innovative design provide appropriate tools for pavement performance prediction.