

## **STIFFNESS MODULUS OF ASPHALT MIXES**

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### **SUMMARY**

The stiffness modulus of asphalt mixes is their main characteristic. The stiffness modulus is a basic input in all modern design methods for flexible pavements. A great number of authors deals with research in this domain due to a very complex interdependence between the stiffness modulus, at one side, and temperature and length of road duration, at the other side. A great number of the stiffness modulus of asphalt concrete tests has been performed in Road Research Laboratory at Engineering Faculty in Belgrade, with a temperature range from -20 °C to 50 °C, with frequency range from 5 Hz to 100 Hz, with air voids of 3.73 %, 4.53 % and 6.46 %, and with 250 samples (size: 25×3×2 cm). The obtained results have been analyzed by appropriate statistical methods and they are used for road pavement design in Yugoslavia.