



## Technical Bulletin – update on EME testing criteria

Sabita is in the process of updating Manual 33 – Interim Procedure for the Design of High Modulus Asphalt (EME). The **fatigue criteria** currently stipulated in the manual were based on limited data at the time and have since proven to be unduly conservative. Further work carried out at the CSIR has resulted in the adoption of the following fatigue criteria:

Test	Method	Number of specimens	Class 1	Class 2
Four point bending at 10 Hz, 10°C to 50% stiffness reduction	AASHTO T321	9	$\geq 10^6$ repetitions @ 210 $\mu\epsilon$	$\geq 10^6$ repetitions @ 260 $\mu\epsilon$

Through analysis of mix data collected over the past 3+ years, it also became evident that the compliance limit for the **dynamic modulus**, based on the triaxial configuration adopted in the AMPT procedure, was too low. It was thus agreed that an interim limit of >16 GPa (vs >14 GPa) be adopted for both classes of mixes with or without RA.