



Figure 2 Static flexural tests of sisal fiber reinforced foam concrete. (A) Breaking of the specimen; (B) Failure section of the specimen.

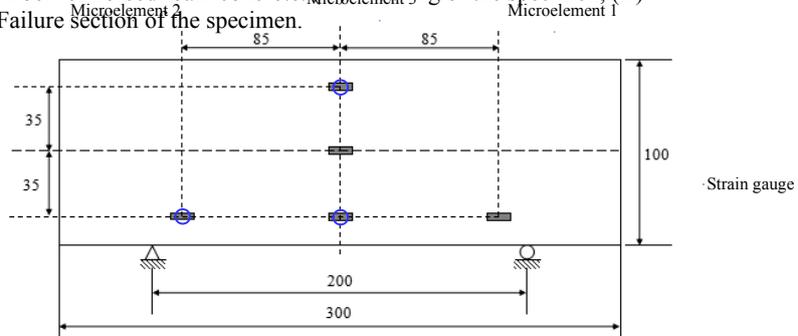


Figure 1 Locations where strain gauges are installed, units in mm.

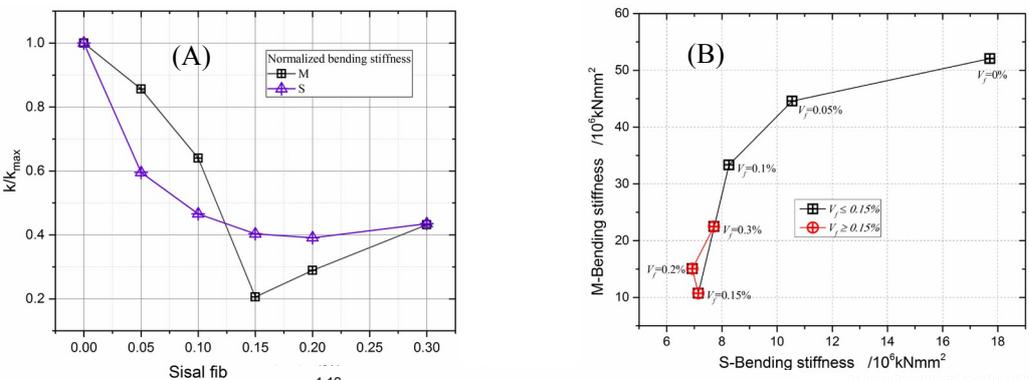


Figure 4. (A) The relationship between normalized bending stiffness and sisal fiber content.

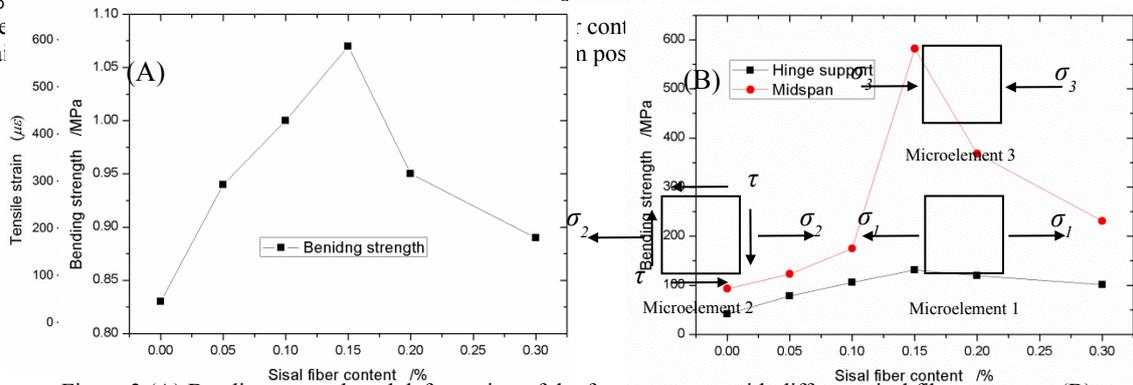


Figure 3 (A) Bending strength and deformation of the foam concrete with different sisal fiber contents: (B) Stress states of the micro-elements at different locations.

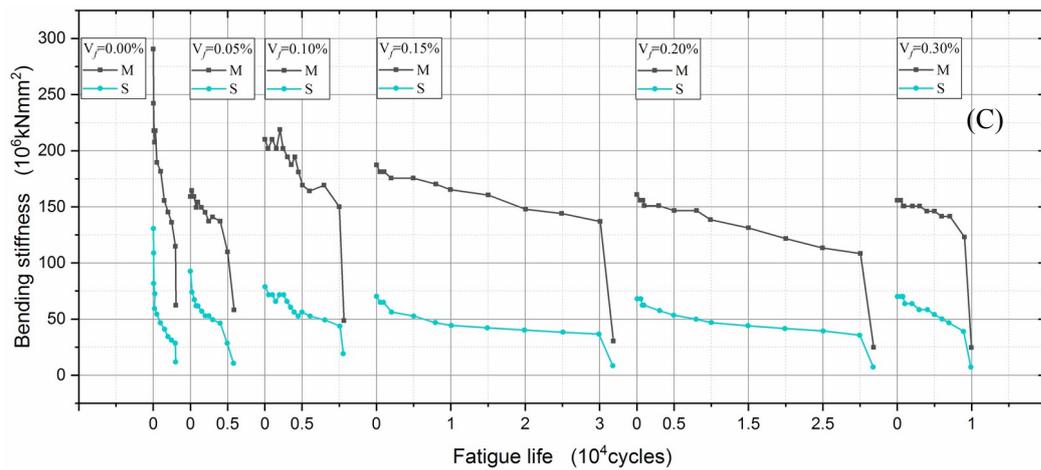
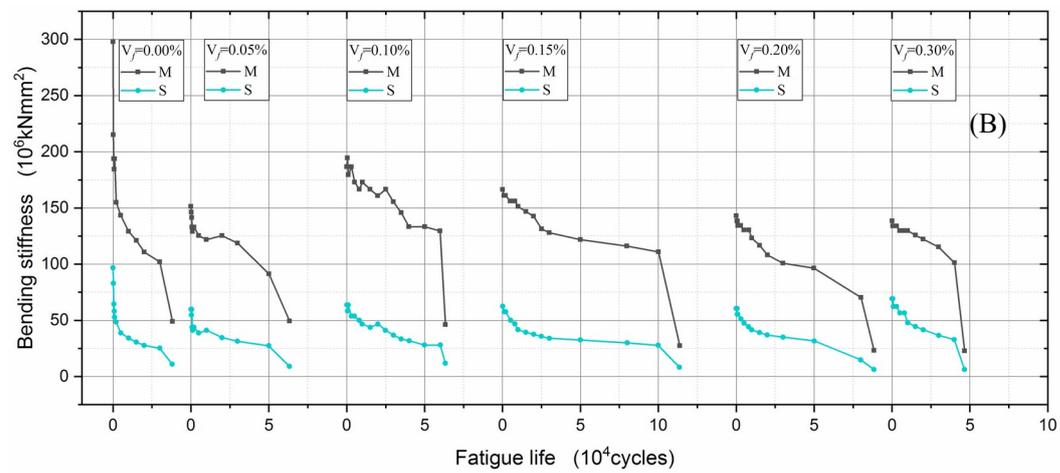
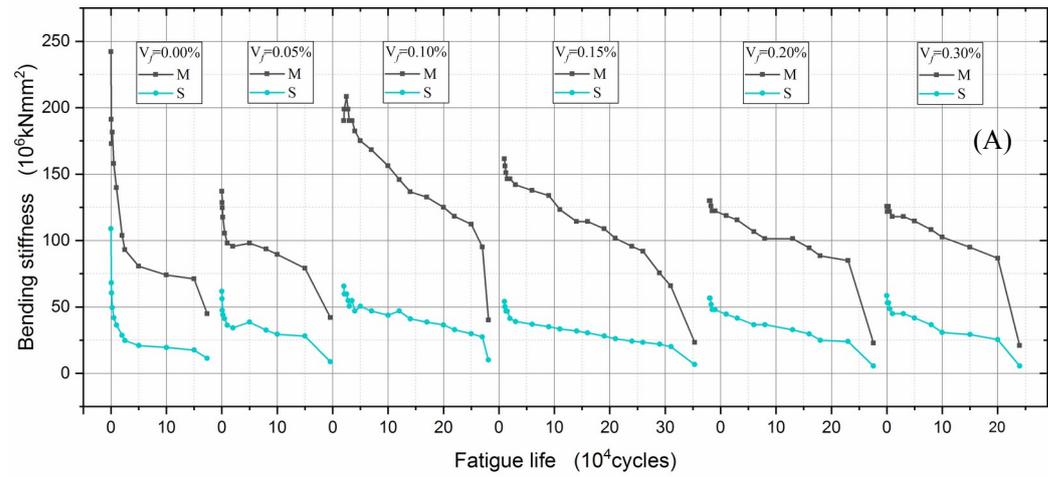


Figure 5 Relationships between bending stiffness and fatigue life under the stress level of 0.75, 0.80 and 0.90. M: at the mid-span; S: near the support.