Cao Bằng tortoise-shell bamboo grows straight, the diameter is consistent. The colour of the skin is lime to deep green. Tortoise-shell bamboo mats are made 100% from natural Cao Bằng tortoise-shell bamboo. Cao Bằng tortoise-shell bamboo has consistent, thin, long and whole-outer layer laths. The upper face of the mat has a shiny, light yellow-brown colour. The lower face has a white-yellowish colour.

The healthy, stable development and high survival rate of the bamboo are partly thanks to the accumulated experiences of the local farmers. The season for nurturing newly planted bamboo is from October to December. Only bamboos that are over 4 years old are cultivated. Cao Bằng mats are made with toothpick-like threads made from whole bamboo culms of which length is equal to the mats' width.

Cao Bằng tortoise-shell bamboo and mats made from it are reputable products and are favoured by the consumers for its distinctive traits. These traits are thanks to the temperature, rainfall, hour of sunlight, and wind speed distribution throughout the year of the geographical area, directly affects the development of Cao Bằng tortoise-shell bamboo.