CLAIMS

1. A spoke for a non-pneumatic tire, comprising:

a nose;

a first panel that engages the nose and that extends from the nose;

a second panel that engages the nose and that extends from the nose;

a first foot carried by the first panel, wherein the first foot has a first foot first concave surface, wherein the first foot has an adhesion deflector;

wherein the adhesion deflector and the first foot first concave surface are both located at a leading terminal end of the first foot in a circumferential direction, wherein the first foot has a first foot second concave surface that is located on a tailing terminal end of the first foot in the circumferential direction, wherein the adhesion deflector extends in the circumferential direction such that the adhesion deflector is farther from the first foot second concave surface in the circumferential direction than is the first foot first concave surface to the first foot second concave surface in the circumferential direction, wherein the tailing terminal end of the first foot has a convex surface;

a second foot carried by the second panel; and

a reinforcement layer that engages the first foot first concave surface, wherein the reinforcement layer engages the adhesion deflector.

2. The spoke as set forth in claim 1, wherein the reinforcement layer engages the first panel.

3. The spoke as set forth in claim 1, wherein the first foot has an adhesive surface that is configured for engagement with a shear band by adhesive, and wherein the adhesion deflector is configured for engagement with the shear band by the adhesive, and wherein the adhesive surface is longer than the adhesion deflector in the circumferential direction.

4. The spoke as set forth in claim 1, and wherein the first foot first concave surface extends from the adhesion deflector.

5. The spoke as set forth in claim 1, and wherein the first foot second concave surface is free from engagement with the reinforcement layer.

6. The spoke as set forth in claim 1, wherein the first foot is attached to a shear band by adhesive, and wherein the reinforcement layer is free from engagement with the shear band, and wherein the reinforcement layer is free from engagement the adhesive that attaches the first foot to the shear band.

7. The spoke as set forth in claim 1, wherein the first foot and the reinforcement layer are not made completely of the same materials.

8. The spoke as set forth in claim 1, wherein the reinforcement layer has a plurality of cords in which some of the cords are oriented at a positive 45 degree angle to a radial direction and in which other ones of the cords are oriented at a negative 45 degree angle to the radial direction.

9. The spoke as set forth in claim 8, wherein the plurality of cords are made of nylon.

10. The spoke as set forth in claim 8, wherein the plurality of cords are made of polyester.

11. The spoke as set forth in claim 1, wherein the reinforcement layer is free from engagement with the nose, the second panel, and the second foot.

12. The spoke as set forth in claim 1, wherein the adhesion deflector is a first adhesion deflector, and wherein the reinforcement layer is a first reinforcement layer;

wherein the second foot has a second foot first concave surface, wherein the second foot has a second adhesion deflector; and

further comprising a second reinforcement layer that engages the second foot first concave surface, wherein the second reinforcement layer engages the second adhesion deflector.

13. The spoke as set forth in claim 12, further comprising an extended nose reinforcement that engages the first foot and extends to and engages the second foot, wherein the extended nose reinforcement engages the first panel and the second panel, and wherein the extended nose reinforcement is free from engagement with the first reinforcement layer and the second reinforcement layer.

14. The spoke as set forth in claim 1, further comprising an extended nose reinforcement that engages the first panel and the first foot and extends along the first panel and the first foot but stops short of the reinforcement layer such that the extended nose reinforcement is not in engagement with the reinforcement layer;

wherein the reinforcement layer extends around the adhesion deflector such that the reinforcement layer is between the adhesion deflector and a shear band to which the first foot is attached.

15. The spoke as set forth in claim 1, wherein the reinforcement layer engages a shear band to which the first foot is attached, wherein the reinforcement layer is not located between the shear band and the adhesion deflector.