

## Internal Wind Stabilizers

Standard Warmlite® tents are built to withstand wind speeds of up to 90 miles per hour. With the additional internal wind stabilizers, any size Warmlite® tent is built to survive wind speeds of up to 150 miles per hour. For better pole support to withstand the increased wind speeds without increasing the load on the stakes, we offer optional internal diagonal stabilizers. Internal radial webs are sewn, two onto each pole set with a door entrance (a 2R only has one stabilizer set, all others have 2 sets of stabilizers). They have a strap and buckle that attaches to the opposite side interior tent stabilizer. When fastened they are like spokes of a bicycle wheel, they limit pole deflection, providing true hoop loading, independent of external tension or deflection of the tent. They can quickly and easily be adjusted from inside the tent, even from inside the warmth of your sleeping bag. When not in use they can be rolled up and fastened against the side of the tent beside the poles using Velcro.

- To survive such high winds, the tent must be staked very tightly, doing so places the tent at its optimal aerodynamic shape. *Any* flapping of the tent will create loads higher than the tent is built to withstand and can irreparably damage the tent. Whereas a tent that remains static in high winds due to being pulled taut, can easily withstand even the harshest conditions for decades.
- The stabilizers will work most effectively if the four corners of the tent, where the pole ends meet the ground, are staked. The tension tie outs must always be pulled taut. If user is inside the tent and unexpected winds arise, the internal stabilizers can still be utilized and they will offer some assistance. However, when possible, place stakes at the four tent corners to offer full functionality of the wind stabilizers. If the tent begins to flap due to higher than anticipated winds, tighten tie outs and stabilizers until all flapping ceases.
- Put stake through the loop at the pole end and angle it at about 40 degrees. Do not pull tension across the tent floor, any tension on the stake from the tent floor takes away from the stabilization load it can sustain and may even damage the floor. If the stake loops on an end are angled out instead of being parallel to each other, the sides of the tent will be too loose while the top is tight, this will drastically reduce wind resistance. There should be no tension across the door zipper, rather the bottom of the door should sag 1-2”.

**Warmlite®**

Maine

207-285-7575

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