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### Recommendations for Operation of AirTight/Water Tight Zipper (L-DTY TZNC-41) in Kappler Zytron and Frontline Level A Suits.

An air/water tight zipper relies on properly positioned inner element and outer element in relation to the slider engagement to achieve the desired air tight/water tight condition. As the zipper is a key functioning part of the garment, appropriate end user operation is critical to ensuring proper engagement of the zipper components.



Accordingly, the end user should be aware of the following as described in Kappler's use instructions/on-line videos:

- 1) Always store suit with the zipper in the full open position. Storing the suit with the zipper fully closed and folding or rolling the garment can cause kinks or turns or twists in the teeth and loss in the desired air/water tight characteristics.
- 2) Always pull slider parallel to the zipper chain. Extreme side loads between the slider and the zipper chain (i.e. pulling to the side) can produce turned locks or damage to the outer elements, and resulting loss in the desired air/water tight characteristics.
- 3) If resistance is noted during opening or closing, do not try to force the zipper to open or close. Instead, stop, reverse direction and attempt again. This step is clearly noted in the Kappler Instruction Guide. Extreme force applied to the zipper during opening and closing can result in tape damage, outer elements being placed out of position or turned inner elements. Again loss in the desired air/water tight characteristics can occur.
- 4) Never carry the suit by the thong/zipper puller. This is for opening and closing of the zipper only.
- 5) During opening and closing of the zipper the slider should be slowly and carefully pulled along the length of the zipper. Never attempt to zip or unzip the entire length in one forceful yank or pull.