



## Clearco Silicone Wax Thread Finishes vs. Conventional Thread Finishes

**Composition:** Clearco Silicone Wax Thread Finishes are composed of 100% active product. They do not contain any solvents or water. Many silicone-based thread finishes on the market are emulsion that can freeze in cold weather. When an emulsion freezes, it renders the product useless. Clearco Silicone Wax Thread Finishes will not freeze.

**Application at room temperature:** Silicone Wax Thread Finishes are applied at room temperature. They do not require heating. Further, the silicone wax in our formulations requires less agitation than formulations that use paraffin wax.

**Pick-up:** The amount of required lubricant, using **Silicone Wax Thread Finish**, is greatly reduced when compared with pure silicone oil. However, in extremely difficult sewing operations, such as leather, vinyl and plastics, higher percentages of lubricant may be required. In those cases, higher percentages of lubrication can be achieved using the Silicone Wax as compared with pure silicone fluids.

The very nature of the **Silicone Wax Thread Finish** allows more lubrication to cling to the surface, achieving as much as 50% more cling than pure silicone oils. Even at higher percentages of pickup, **"sling" is virtually eliminated**. In comparison, silicone oils without the addition of wax, produce high amounts of sling that create dangerous-slippery conditions in the work area, which require time-consuming cleanup.

**Migration:** After winding, silicones have a natural tendency to migrate on the cone. This results in a bulls-eye appearance on the thread, whereby one area is over-lubricated and other areas have little or no lubrication. **Silicone Wax Thread Finishes do not have any migration problems**. Even if the lubricated thread is left on the shelf for extended periods, the wax portion of the formulation holds the lubricant indefinitely in place.

**Penetration:** As with most sewing threads (especially bonded), there is a tendency for lubricants to have some degree of absorption into the thread. When this happens, the effectiveness of the lubricant is limited to the amount of the lubricant left on the surface. Unlike conventional silicone lubricants, **Silicone Wax Thread Finishes provide a fine finish that remains on the surface for optimum sewing results**.

To illustrate this dynamic, put a few drops of both straight silicone oil and **Silicone Wax Thread Finish** side by side on a piece of cardboard. In a relatively short period of time, the silicone oil will be absorbed while the **Silicone Wax Thread Finish 3261** will maintain consistency.

**For More Information, Contact:**

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